

## Datasheet for 608-4504

**Horse IgG F(ab')<sub>2</sub> Antibody Alkaline Phosphatase Conjugated****Overview**

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| <b>Description:</b>  | Rabbit Anti-Horse IgG F(ab') <sub>2</sub> Antibody Alkaline Phosphatase Conjugated - 608-4504 |
| <b>Item No.:</b>     | 608-4504                                                                                      |
| <b>Size:</b>         | 1 mg                                                                                          |
| <b>Applications:</b> | ELISA                                                                                         |
| <b>Reactivity:</b>   | Horse                                                                                         |
| <b>Host Species:</b> | Rabbit                                                                                        |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Horse IgG F(ab') <sub>2</sub> Alkaline Phosphatase Antibody generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') <sub>2</sub> molecules lack the Fc portion of IgG and therefore receptors that bind horse IgG F(c) will not bind horse IgG F(ab') <sub>2</sub> molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. |
| <b>Synonyms:</b>     | Rabbit Anti-Horse IgG Fab2 Fragment alkaline phosphatase Conjugated Antibody, Rabbit Anti-Horse IgG F(ab') <sub>2</sub> Antibody alkaline phosphatase conjugate, Rabbit Anti-Horse IgG Fab2 Antibody alk phos Conjugation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity:</b>  | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugate:</b>    | Alkaline Phosphatase (AP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Target Details**

|                    |                                        |
|--------------------|----------------------------------------|
| <b>Reactivity:</b> | Horse                                  |
| <b>Immunogen:</b>  | Horse IgG F(ab') <sub>2</sub> fragment |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Horse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Horse IgG, Horse IgG F(ab') <sub>2</sub> and Horse Serum. No reaction was observed against Horse IgG F(c). |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Application Details

|                             |                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                             |
| <b>Application Note:</b>    | Anti-Horse IgG F(ab') <sub>2</sub> Alkaline Phosphatase conjugate has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                   |
| <b>ELISA:</b>               | 1:2,000 - 1:8,000                                                                                                                                                                                                                                                                                 |
| <b>IHC:</b>                 | 1:200 - 1:1,000                                                                                                                                                                                                                                                                                   |
| <b>WB:</b>                  | 1:500 - 1:2,000                                                                                                                                                                                                                                                                                   |

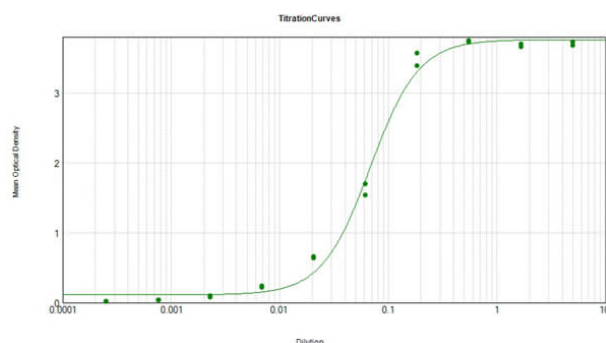
## Formulation

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                                                                                 |
| <b>Concentration:</b>  | 1.0 mg/mL by UV absorbance at 280 nm                                                                                      |
| <b>Buffer:</b>         | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 |
| <b>Preservative:</b>   | 0.1% (w/v) Sodium Azide                                                                                                   |
| <b>Stabilizer:</b>     | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free                                                    |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                        |
| <b>Storage Condition:</b>  | Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                          |

## Images



### ELISA

ELISA Results of Rabbit Anti-Horse IgG F(ab')<sub>2</sub> Antibody Alkaline Phosphatase Conjugated tested against purified Horse IgG F(ab')<sub>2</sub> Alk Phos. Each well was coated in duplicate with 1.0 µg of Horse IgG F(ab')<sub>2</sub> (p/n 008-0102). The working dilution is 14,700. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using Alkaline Phosphatase ELISA Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.