

## Datasheet for 712-1522

## F(ab')<sub>2</sub> Rat IgG Fc Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed

### Overview

<b>Description:</b>	Goat F(ab') <sub>2</sub> Anti-Rat IgG Fc Antibody Alkaline Phosphatase Conjugated (Min X Bv Hs & Hu Serum Proteins) - 712-1522
<b>Item No.:</b>	712-1522
<b>Size:</b>	500 µg
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Rat
<b>Host Species:</b>	Goat

### Product Details

<b>Background:</b>	F(ab') <sub>2</sub> Anti-Rat IgG F(c) Alkaline Phosphatase Antibody was generated in goat and detects specifically Rat IgG F(c). 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. F(ab') <sub>2</sub> Anti-Rat IgG Antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
<b>Synonyms:</b>	Goat F(ab') <sub>2</sub> Anti-Rat IgG F(c) Alkaline Phosphatase Conjugated Antibody, Goat Fab2 Anti-Rat IgG Fc Antibody alk phos Conjugation
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG Fc
<b>Conjugate:</b>	Alkaline Phosphatase (AP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG F(ab') <sub>2</sub>

### Target Details

<b>Reactivity:</b>	Rat
<b>Immunogen:</b>	Rat IgG F(c) fragment

**Purity/Specificity:** F(ab')<sub>2</sub> Anti-Rat IgG F(c) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum, Rat IgG, Rat IgG Fc and Rat Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Rat F(ab) or Bovine, Horse, and Human Serum Proteins.

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	F(ab') <sub>2</sub> Anti-Rat IgG Alkaline Phosphatase Antibody has been tested by ELISA and is assayed against 1.0 ug of Rat IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for F(ab') <sub>2</sub> Anti-Rat IgG Antibody.
<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 - 1:10,000
<b>IHC:</b>	1:200 - 1:1,000
<b>WB:</b>	1:500 - 1:2,500

## 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>	0.05% (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.

**Expiration:** Expiration date is one (1) year from date of receipt.

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## Disclaimer

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