

**Datasheet for 200-502-N80****CD16/32 Fluorescein Antibody****Overview**

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-CD16/32 (RAT) Fluorescein Conjugated Monoclonal Antibody - 200-502-N80 |
| <b>Item No.:</b>     | 200-502-N80                                                                 |
| <b>Size:</b>         | 500 µg                                                                      |
| <b>Applications:</b> | FC                                                                          |
| <b>Reactivity:</b>   | Mouse                                                                       |
| <b>Host Species:</b> | Rat                                                                         |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. |
| <b>Synonyms:</b>     | Low affinity immunoglobulin gamma Fc region receptor III, IgG Fc receptor III, Fc-gamma RIII, FcRIII, CD16, Fcgr3                                                                                                                                                                             |
| <b>Host Species:</b> | Rat                                                                                                                                                                                                                                                                                           |
| <b>Conjugate:</b>    | Fluorescein (FITC)                                                                                                                                                                                                                                                                            |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                    |
| <b>Clone ID:</b>     | 93                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG2a                                                                                                                                                                                                                                                                                         |
| <b>F/P Ratio:</b>    | 4-6                                                                                                                                                                                                                                                                                           |

**Target Details**

|                        |       |
|------------------------|-------|
| <b>Gene Name:</b>      | Fcgr3 |
| <b>Reactivity:</b>     | Mouse |
| <b>Immunogen Type:</b> | Other |

|                            |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Anti-CD16/32 Antibody (Monoclonal) was produced by repeated immunizations with sorted pre-B cells.                                                                                                                                                                                                                                                    |
| <b>Purity/Specificity:</b> | Fluorescein conjugated CD16/32 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD16/32. Cross reactivity with CD16/32 from other sources has not been tested. Anti-CD16/32 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P08508</a></li></ul>                                                                                                                                                                                                                                                                  |

## Application Details

|                             |                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | FC                                                                                                                                                                                                                            |
| <b>Application Note:</b>    | Anti-CD16/32 is tested for FLOW and useful for Immunoprecipitation using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                               |
| <b>FC:</b>                  | 10 $\mu$ L/10 <sup>6</sup> cells (0.1 $\mu$ g)                                                                                                                                                                                |
| <b>IP:</b>                  | User Optimized                                                                                                                                                                                                                |

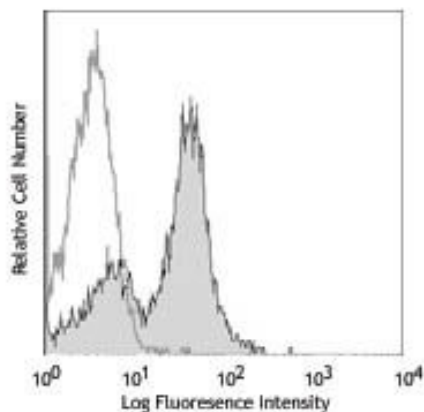
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.09% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

|                            |                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                           |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                                                           |

## Images

**Flow Cytometry**

Flow Cytometry of anti-CD16/32 Fluorescein Conjugated Monoclonal Antibody. Cells: C57Bl/6 mouse splenocytes. Stimulation: none. Antibody: (UnFilled Line) FITC Rat IgG2a isotype control; (Filled Line) Fluorescein Anti-CD16/32 antibody.

**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.