



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

Monoclonal Antibody to Anti-Human CD16

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD16

PRODUCT# IMI14261E (Ready-To-Use)

PRODUCT# IMI14252E (Concentrate)

Antibody Formats Supplied

5 ml of anti CD16, Ready-To-Use

0.2 ml of anti CD16, Concentrate

SOURCE: Mouse

IMMUNOGEN: Recombinant protein to the external domain of CD16 molecule

IMMUNOGLOBULIN ISOTYPE: IgG2a

CLONE: 2H7

POSITIVE CONTROL TISSUE: Tonsil

REACTIVITY

This CD16 antibody reacts with CD16 antigen, a glycoprotein of 50 to 70 kD molecular weight that is also known as the low affinity receptor for complexed IgG1 or Fc gamma-RIII. CD16 is expressed on natural killer (NK) cells, and activated macrophages. CD16 is weakly expressed on activated macrophages and on a subset of T cells. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears. For optimal staining see special usage guidance section of this data sheet.

STAINING PATTERN: Membrane staining

Antibody FORMATS, DILUTIONS and INCUBATIONS

This monoclonal mouse anti CD16 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide. This antibody is available in:

5 ml of pre-diluted, Ready-To-Use, Do not dilute. Incubate for 1 hour. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of concentrate. The starting dilution for paraffin section is 1:10 TO 1:20 for 1 hour. The optimal working dilution must be determined by the end user. **This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

CONTINUED OVER



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection system. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

APPLICATIONS

This antibody is intended for use in immunolocalization of CD16 antigen in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting, dot blotting and for use in functional assays in adhesion research. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD16 antigen. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR PROFESSIONAL AND RESEARCH USE ONLY