CD16.2 monoclonal antibody

Catalog: MB30021 Host: Armenian Hamster Reactivity: Mouse

BackGround:

Low affinity immunoglobulin gamma Fc region receptor III-A: Receptor for the invariable Fc fragment of immunoglobulin gamma (IgG) . Binds with intermediate affinity to both IgG2a and IgG2b . Can bind to IgG2a and IgG2b monomers . Does not display binding to IgG1 or IgG3 . Recognizes neutralizing virus-specific IgGs displayed on the cell surface of infected cells and triggers antibody-dependent cellular cytotoxicity (ADCC). Confers protection to lethal influenza virus infection . On splenic dendritic cells, uptakes antigen immune complexes and efficiently divert them into MHC class I and II antigen presentation pathways to provide for superior priming of CD4-positive and CD8-positive T cell immune responses . Mediates neutrophil activation by IgG complexes redundantly with FCGR2A . Plays a role in promoting bone resorption by enhancing osteoclast differentiation following binding to IgG2a . Also acts as a receptor for the Fc region of immunoglo...

Product:

Armenian Hamster IgG. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~28.4 kDa

Swiss-Prot:

Purification&Purity:

The antibody was purified by affinity chromatography.

Applications:

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes mouse CD16.2

DATA:

Western blot analysis of ZNF7 expression in HeLa (A), H9C2 (B), NIH3T3 (C) whole cell lysates.

Immunohistochemical analysis of ZNF7 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of ZNF7 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

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