

Anti-CD16/FCGR3 Polyclonal Antibody

Product Details

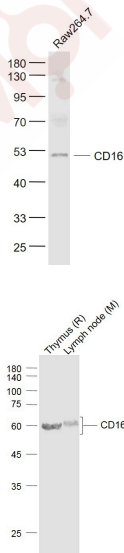
Ig Type: IgG
Reactivity: Mouse,Rat (predicted:Human)
Molecular Weight: Theoretical: 27 kDa. Actual: 58 kDa.
Purification: Protein A purified

Applications

1. Sample:
Raw264.7 (Mouse) Cell Lysate at 30 μ g
Primary: Anti-CD16 (TMAB-00337) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27 kDa
Observed band size: 50 kDa

2. Sample:
Lane 1: Thymus (Rat) Lysate at 40 μ g
Lane 2: Lymphnode (Mouse) Lysate at 40 μ g
Primary: Anti-CD16 (TMAB-00337) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kDa
Observed band size: 60 kDa

Verified Activity:



Application: WB
Recommended WB=1:500-1000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human IGFR3/CD16

Antigen Species: Human

Gene ID: 2214

Uniprot ID: P08637

Synonyms: Fc receptor, IgG, low affinity III;CD16

Biology Area: NK Cells,Human Lineage Negative,NK Cell Lineage,Monocytic Lineage,Neutrophil Lineage

Research Background

This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene are associated with immunodeficiency 20, and have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2020]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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