

Anti-CD16/FCGR3 Antibody (6W413)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	6W413
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-FCGR3 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: C6 Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:29 kDa.-Observed band size:38 kDa(We are unsure as to the identity of these extra bands.) <p>2. mFCGR3 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg RAW246.7 Whole Cell Lysate.-4µL anti-mFCGR3 rabbit monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.-Primary antibody:-Anti-mFCGR3 rabbit monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size: 29 kDa.-Observed band size:50 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 0.5-2 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Mouse CD16 / FCGR3 protein (TMPY-01834)
Antigen Species: Mouse
Synonyms: Fc receptor, IgG, low affinity III;CD16
Biology Area: Fc Receptors

Research Background

Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (FcγR). FcγR is divided into three classes, Fc γ RI (CD64), Fc γ RII (CD32), and Fc γ RIII (CD16). CD16 protein is a multifunctional, low/intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. Mouse CD16 is encoded by a single gene, while, human CD16 is expressed as two distinct forms (CD16a/FcγRIIIa and CD16b/FcγRIIIb) encoded by two different highly homologous genes in a cell type-specific manner. CD16 is involved in phagocytosis, secretion of enzymes, inflammatory mediators, antibody-dependent cellular cytotoxicity (ADCC), and clearance of immune complexes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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