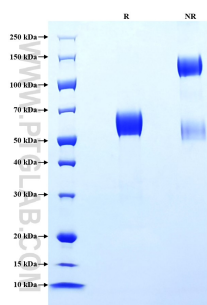


# Recombinant Mouse CD16 protein (rFc Tag)

Catalog Number: Eg3474

Basic Information	<b>Species:</b> Mouse	<b>Purity:</b> >90 %, SDS-PAGE	<b>Tag:</b> rFc Tag
Technical Specifications	<b>Purity:</b> >90 %, SDS-PAGE <b>Endotoxin Level:</b> <0.1 EU/ µg protein, LAL method <b>Source:</b> HEK293-derived Mouse CD16 protein Ala31-Thr215 (Accession# P08508) with a rabbit IgG Fc tag at the C-terminus. <b>GeneID:</b> 14131 <b>Accession:</b> P08508 <b>Predicted Molecular Mass:</b> 47.4 kDa <b>SDS-PAGE:</b> 52-70 kDa, reducing (R) conditions <b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	<b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CD16 is a 50-70-kDa low-affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes, and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD16 has been identified as Fc receptors Fc γ RIIIa (CD16a) and Fc γ RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B.		
References	<ol style="list-style-type: none"><li>1.Maskalenko, NA. et al. (2024). Cancer Immunol Res. 2024-12-12</li><li>2. Kabbani, M. et al. (2021). Nov. issled. 66(2):36-43.</li><li>3.Karasiewicz-Mendez, K. et al. (2024). J CLIN ONCOL. 42(16_suppl):2554-2554.</li></ol>		
Synonyms	Fc receptor, IgG, low affinity III, Fcgr3		

## Selected Validation Data



Purity of Recombinant Mouse CD16 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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