

bsm-54679R**[Primary Antibody]****BioSS**
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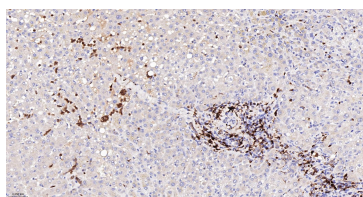
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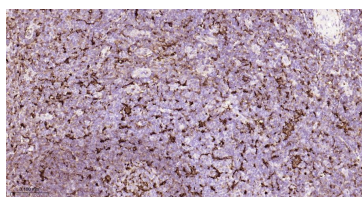
400-901-9800

CD16 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:200-2000) IHC-F (1:200-2000) IF (1:200-2000) Reactivity: Human, Rat Predicted MW.: 27 kDa Subcellular Location: Secreted ,Cell membrane
Clonality: Recombinant	CloneNo.: 9F8	
GeneID: 2214	SWISS: P08637	
Target: CD16		
Immunogen: A synthesized peptide derived from human CD16: 191-254.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD16 Monoclonal Antibody, Unconjugated (bsm-54679R) at 1:500 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD16 Monoclonal Antibody, Unconjugated (bsm-54679R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=3.6]** Seung-Wan Hong. et al. The Effect of Pregabalin on Microglia Differentiation in Rat with Neuropathic pain: A Preliminary Study. INT J MED SCI. 2024; 21(7): 1265–1273 IF ;Rat. 38818478