

**Goat Anti-CD32 / FCGR2B Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1217a****Specification**

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**Goat Anti-CD32 / FCGR2B Antibody - Product Information**

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">P31994</a>
Other Accession	<a href="#">NP_001002275</a> , <a href="#">2213</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	34044

**Goat Anti-CD32 / FCGR2B Antibody - Additional Information****Gene ID** 2213**Other Names**

Low affinity immunoglobulin gamma Fc region receptor II-b, IgG Fc receptor II-b, CDw32, Fc-gamma RII-b, Fc-gamma-RIIb, FcRII-b, CD32, FCGR2B, CD32, FCG2, IGFR2

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
Pep-ELISA~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-CD32 / FCGR2B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-CD32 / FCGR2B Antibody - Protein Information****Name** FCGR2B**Synonyms** CD32, FCG2, IGFR2

**Function**

Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells

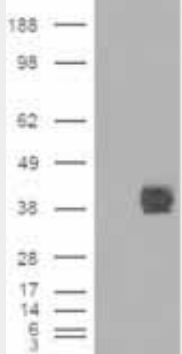
**Goat Anti-CD32 / FCGR2B Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

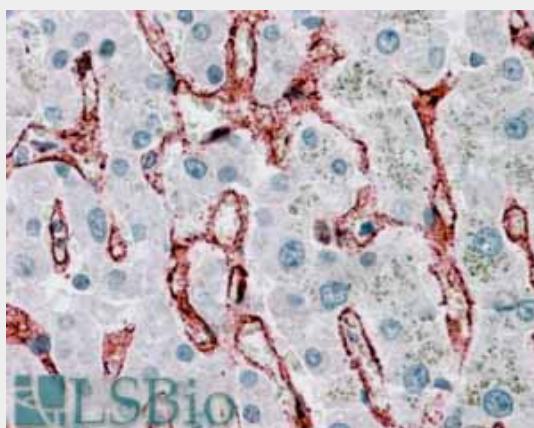
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-CD32 / FCGR2B Antibody - Images**

AF1217a (0.3 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1217a HEK293 overexpressing CD32 (RC211982) and probed with (mock transfection in first lane), tested by Origene.



AF1217a (3.75 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **Goat Anti-CD32 / FCGR2B Antibody - Background**

The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene.

#### **Goat Anti-CD32 / FCGR2B Antibody - References**

Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. Eur J Hum Genet, 2010 Jun 30. PMID 20588308.  
The role of Fc gamma receptors polymorphisms in bullous pemphigoid. Guilabert A, et al. J Am Acad Dermatol, 2010 Jul. PMID 20542180.  
Copy number, linkage disequilibrium and disease association in the FCGR locus. Niederer HA, et al. Hum Mol Genet, 2010 Aug 15. PMID 20508037.  
An FcγRIIb transmembrane polymorphism in Chinese ITP patients. Xu J, et al. Platelets, 2010. PMID 20507212.  
SNPs of Fc-gamma receptor genes and chronic periodontitis. Chai L, et al. J Dent Res, 2010 Jul. PMID 20439936.