

# FCGR2B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FCGR2B.

Catalog # AT2027a

## Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">P31994</a>
<b>Other Accession</b>	<a href="#">BC031992</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	2E11
<b>Calculated MW</b>	34044

## Additional Information

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<b>Gene ID</b>	2213
<b>Other Names</b>	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
<b>Target/Specificity</b>	FCGR2B (AAH31992, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	FCGR2B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

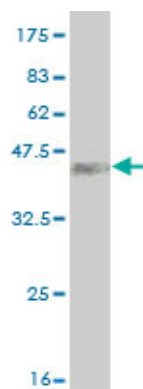
## References

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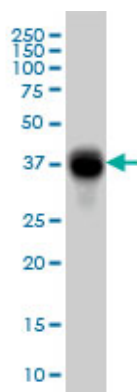
Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. Eur J Hum Genet, 2010

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 Fc gammaRIIb 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.

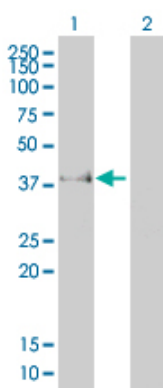
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .

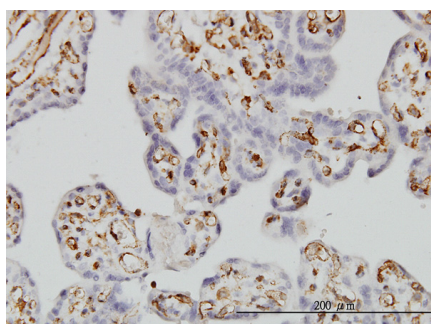


FCGR2B monoclonal antibody (M01), clone 2E10 Western Blot analysis of FCGR2B expression in K-562 ( (Cat # AT2027a )

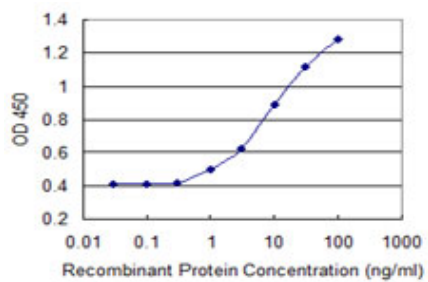


Western Blot analysis of FCGR2B expression in transfected 293T cell line by FCGR2B monoclonal antibody (M01), clone 2E10.

Lane 1: FCGR2B transfected lysate (34 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to FCGR2B on formalin-fixed paraffin-embedded human placenta. [antibody concentration 6 ug/ml]



Detection limit for recombinant GST tagged FCGR2B is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.