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FCGR2B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FCGR2B.
Catalog # AT2027a

Product Information

Application	WB, IHC, E
Primary Accession	P31994
Other Accession	BC031992
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2E11
Calculated MW	34044

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

Background

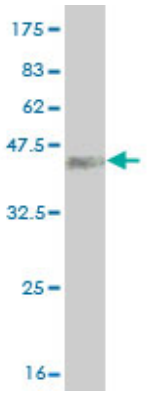
The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibilty to systemic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

References

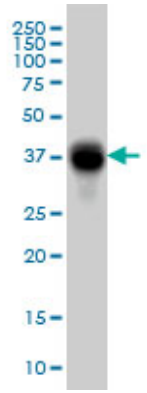
Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. Eur J Hum Genet, 2010

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 FcgammaRIIb 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.

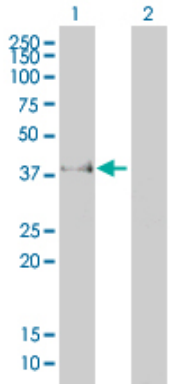
Images



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

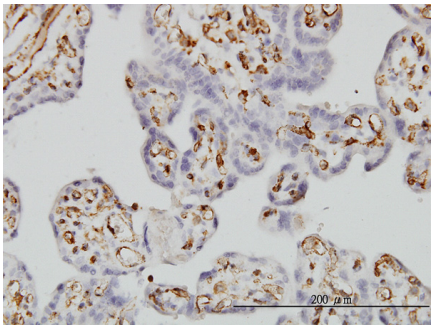


FCGR2B monoclonal antibody (M01), clone 2E10 Western Blot analysis of FCGR2B expression in K-562 ((Cat # AT2027a)

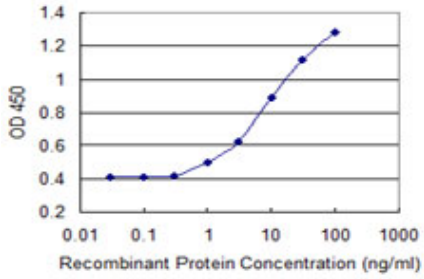


Western Blot analysis of FCGR2B expression in transfected 293T cell line by FCGR2B monoclonal antibody (M01), clone 2E10.

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'.