10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FCGR2A Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant FCGR2A.
Catalog # AT2026a

Product Information

Application	WB, E
Primary Accession	P12318
Other Accession	BC020823
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3E9
Calculated MW	35001

Additional Information

Gene ID	2212
Other Names	Low affinity immunoglobulin gamma Fc region receptor II-a, IgG Fc receptor II-a, CDw32, Fc-gamma RII-a, Fc-gamma-RIIa, FcRII-a, CD32, FCGR2A, CD32, FCG2, FCGR2A1, IGFR2
Target/Specificity	FCGR2A (AAH20823, 46 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	FCGR2A Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

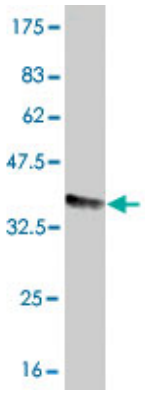
This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants.

References

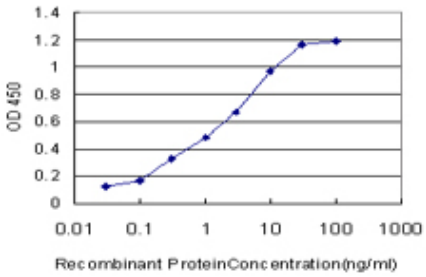
Functional polymorphisms of PTPN22 and FcgR genes in Tunisian patients with rheumatoid arthritis. Sfar I,

et al. Arch Inst Pasteur Tunis, 2009. PMID 20707220.Effect of FCGR2A and FCGR3A variants on CLL outcome. Dornan D, et al. Blood, 2010 Aug 12. PMID 20705761.Fragment c gamma receptor gene polymorphisms and breast cancer risk in case-control studies in Japanese, Japanese Brazilians, and non-Japanese Brazilians. Iwasaki M, et al. Breast Cancer Res Treat, 2010 Aug 10. PMID 20697800.A large-scale candidate gene approach identifies SNPs in SOD2 and IL13 as predictive markers of response to preoperative chemoradiation in rectal cancer. Ho-Pun-Cheung A, et al. Pharmacogenomics J, 2010 Jul 20. PMID 20644561.Vaccine-induced IgG2 anti-HIV p24 is associated with control of HIV in patients with a 'high-affinity' FcgammaRIIa genotype. French MA, et al. AIDS, 2010 Aug 24. PMID 20634666.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.29 KDa) .



Detection limit for recombinant GST tagged FCGR2A is approximately 0.03ng/ml as a capture antibody.

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