

Mouse FGL2 Monoclonal Antibody | anti-FGL2 antibody

FGL2 (Fibroleukin, Fibrinogen-like Protein 2, pT49) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25097	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot

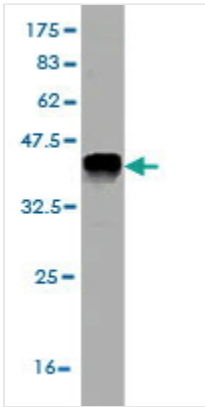
PRODUCT SYNONYMS

FGL2; Monoclonal Antibody; FGL2 (Fibroleukin; Fibrinogen-like Protein 2; pT49) (FITC); anti-FGL2 antibody

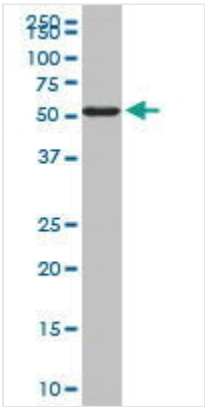
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6D9
Specificity	Recognizes human FGL2. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-FGL2 antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IHC-P: 0.5ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa24-123 from human FGL2 (NP_006673) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NNETEEIKDERAKDVCPVRLESRGKCEEAGECPYQVSLPPLTIQLPKQFSRIEEVFKEVQNLKEIVNSLKKSCQDCKLQADDNGDPGRNGLLLPSTGAPG
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

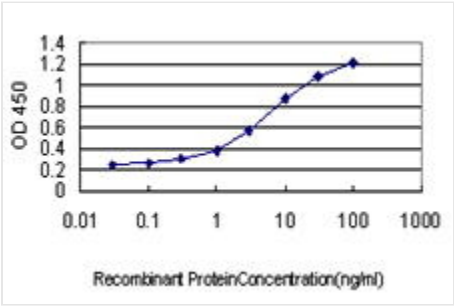
IMAGES



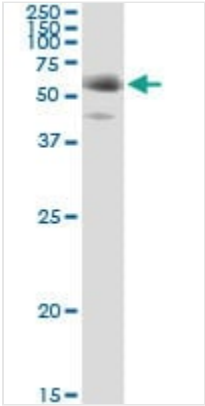
WB (Western Blot)
Western Blot detection against Immunogen (37.11kD).



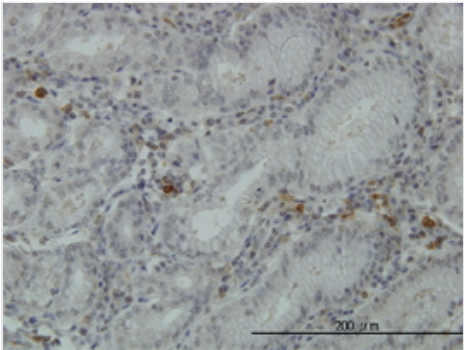
WB (Western Blot)
FGL2 monoclonal antibody Western Blot analysis of FGL2 expression in PC-12.



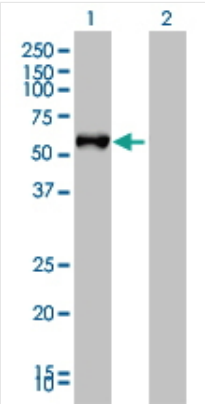
Application Data
Detection limit for recombinant GST tagged FGL2 is ~0.1ng/ml as a capture antibody.



IP (Immunoprecipitation)
Immunoprecipitation of FGL2 transfected lysate using FGL2 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with FGL2 rabbit polyclonal antibody.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to FGL2 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 0.5ug/ml].



WB (Western Blot)
Western Blot analysis of FGL2 expression in transfected 293T cell line by FGL2 monoclonal antibody Lane 1: FGL2 transfected lysate (50kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-FGL2 antibody

Antibodies; Fibrinogen

References	1. FGL2/Fibroleukin Mediates Hepatic Reperfusion Injury by Induction of Sinusoidal Endothelial Cell and Hepatocyte Apoptosis in Mice. Selzner N, Liu H, Boehnert MU, Adeyi OA, Shalev I, Bartczak AM, Xue-Zhong M, Manuel J, Rotstein OD, McGilvray ID, Grant DR, Phillips MJ, Levy GA, Selzner M.J Hepatol. 2011 Jul 11. 2. The FGL2/fibroleukin prothrombinase is involved in alveolar macrophage activation in COPD through the MAPK pathway. Liu Y, Xu S, Xiao F, Xiong Y, Wang X, Gao S, Yan W, Ning Q.Biochem Biophys Res Commun. 2010 May 7. 3. Targeted Deletion of fgl2 Leads to Impaired Regulatory T Cell Activity and Development of Autoimmune Glomerulonephritis1. Shalev I, Liu H, Kosciuk C, Bartczak A, Javadi M, Wong KM, Maknojia A, He W, Liu MF, Diao J, Winter E, Manuel J, McCarthy D, Catral M, Gommerman J, Clark DA, Phillips MJ, Gorczynski RR, Zhang L, Downey G, Grant D, Cybulsky MI, Levy G.J Immunol. 2008 Jan 1;180(1):249-60. 4. Expression of Prothrombin and Protease Activated Receptors in Human Myometrium During Pregnancy and Labor. O'brien M, Morrison JJ, Smith TJ.Biol Reprod. 2008 Jan;78(1):20-6. Epub 2007 Sep 26.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5730075
NCBI GeneID	10875
NCBI Accession #	NP_006673
NCBI GenBank Nucleotide #	NM_006682
UniProt Accession #	Q14314
Molecular Weight	48
NCBI Official Full Name	fibroleukin
NCBI Official Synonym Full Names	fibrinogen like 2
NCBI Official Symbol	FGL2
NCBI Official Synonym Symbols	T49; pT49
NCBI Protein Information	fibroleukin
UniProt Protein Name	Fibroleukin
UniProt Gene Name	FGL2
UniProt Entry Name	FGL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.