

For Research Use Only

FCGR2A / CD32a Monoclonal ANTIBODY



Catalog Number: 66529-1-Ig

Basic Information

Catalog Number: 66529-1-Ig	GenBank Accession Number: BC020823	Purification Method: Protein A purification
Size: 150UL, Concentration: 1000 µg/ml by 2212 Bradford method using BSA as the standard;	GeneID (NCBI): 2212	CloneNo.: 1D3F1
Source: Mouse	Full Name: Fc fragment of IgG, low affinity IIa, receptor (CD32)	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:2500-1:10000
Isotype: IgG2b	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG25878	Observed MW: 42 kDa	

Applications

Tested Applications:

FC, IHC, WB, ELISA

Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: U-937 cells, Raji cells, THP-1 cells, K-562 cells

IHC: human liver cancer tissue, human tonsillitis
tissue

Background Information

IgG Fc receptors (FcγRs) play important roles in immune responses. Low affinity IgG Fc receptor Fc gamma RIIa (FCGR2A, CD32a) 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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

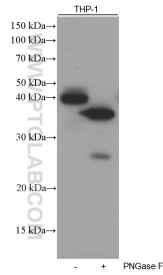
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

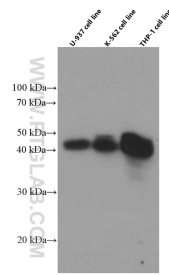
E: proteintech@ptglab.com
W: ptglab.com

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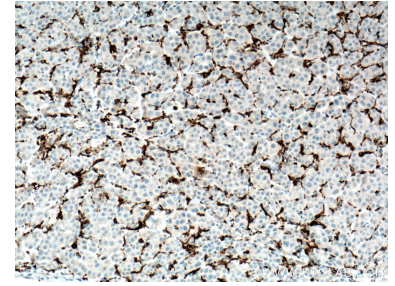
Selected Validation Data



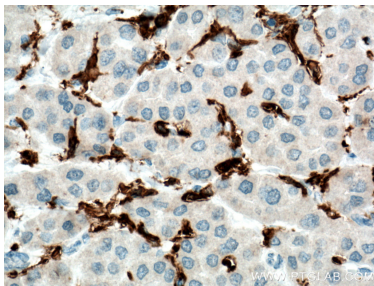
Untreated and PNGase F-treated lysates of THP-1 cells were subjected to SDS PAGE followed by western blot with 66529-1-Ig (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



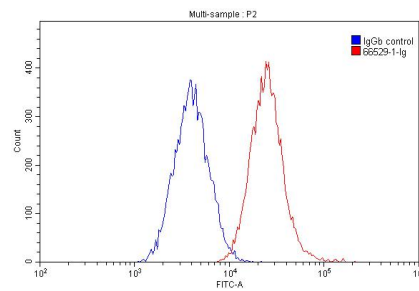
Various lysates were subjected to SDS PAGE followed by western blot with 66529-1-Ig (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66529-1-Ig (FCGR2A / CD32a antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66529-1-Ig (FCGR2A / CD32a antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 THP-1 cells were stained with 0.20ug FCGR2A / CD32a antibody (66529-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.