

FCGR2A / CD32a Monoclonal antibody

Catalog Number: 66529-1-Ig

Basic Information

Catalog Number:

66529-1-Ig

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG25878

GenBank Accession Number:

BC020823

GeneID (NCBI):

2212

UNIPROT ID:

P12318

Full Name:

Fc fragment of IgG, low affinity IIa, receptor (CD32)

Calculated MW:

35 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

1D3F1

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:2500-1:10000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, 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 : TF-1 cells, Raji cells, U-937 cells, Mo7e cells, K-562 cells, THP-1 cells

IHC : human liver cancer tissue, human tonsillitis tissue

IF/ICC : THP-1 cells,

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:

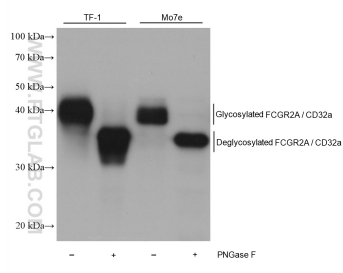
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

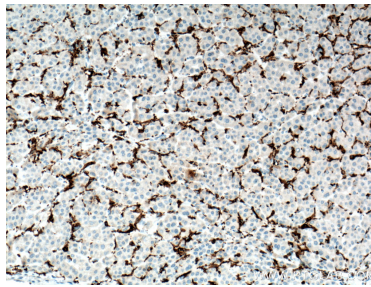
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

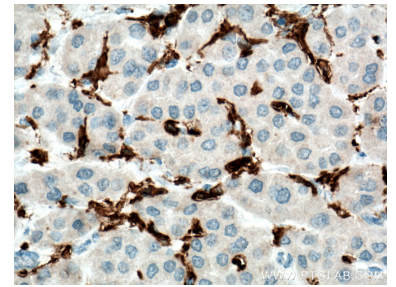
Selected Validation Data



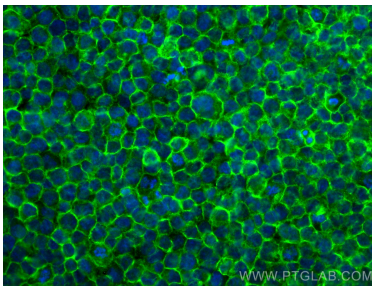
Untreated and PNGase F-treated lysates of THP-1 cells and Mo7e cells were subjected to SDS PAGE followed by western blot with 66529-1-Ig (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using FCGR2A / CD32a antibody (66529-1-Ig, Clone: 1D3F1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).