

For Research Use Only

FCGR3A/CD16a Polyclonal antibody, PBS Only

Catalog Number:30356-1-PBS



Basic Information

Catalog Number:

30356-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1281

GenBank Accession Number:

BC036723

GeneID (NCBI):

2214

ENSEMBL Gene ID:

ENSG00000203747

UNIPROT ID:

P08637

Full Name:

Fc fragment of IgG, low affinity IIIa,
receptor (CD16a)

Calculated MW:

29 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human

Background Information

CD16 is a low affinity Fc receptor. It has been identified as Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. In humans, FcγRIIIa/CD16a is a type I transmembrane receptor expressed on macrophages and NK cells. FcγRIIIb/CD16b is a GPI-linked Fc-receptor highly expressed on neutrophils. The two proteins differ by only four amino acid residues in the mature proteins(PMID: 30361439). FCGR3A has a calculated molecular weight of 29 kDa, with an apparent molecular weight of 50-80 kDa due to extensive glycosylation (PMID: 30655272; PMID: 27914599). The antibody is specific for FCGR3A/CD16a.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

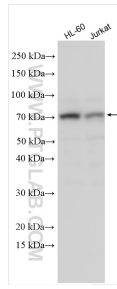
For technical support and original validation data for this product please contact:

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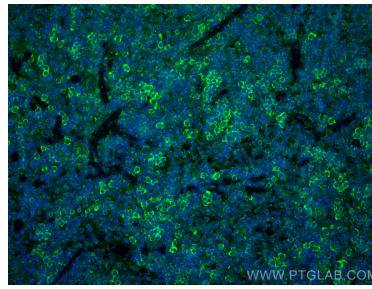
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30356-1-AP (FCGR3A/CD16a antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30356-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using FCGR3A/CD16a antibody (30356-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30356-1-PBS in a different storage buffer formulation.