

For Research Use Only

CD64 Polyclonal antibody

Catalog Number: 27563-1-AP

1 Publications



Basic Information

Catalog Number:

27563-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26727

GenBank Accession Number:

BC032634

GeneID (NCBI):

2209

ENSEMBL Gene ID:

ENSG00000150337

UNIPROT ID:

P12314

Full Name:

Fc fragment of IgG, high affinity Ia, receptor (CD64)

Calculated MW:

374 aa, 43 kDa

Observed MW:

65-70 kDa, 43-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: THP-1 cells, U-937 cells, HL-60 cells

IF/ICC: THP-1 cells,

Background Information

Fc γ receptor comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fc γ R1A, is a high affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells (PMID: 23293080; 19642859; 7680917). CD64 functions in both innate and adaptive immune responses. The calculated molecular weight of CD64 is 43 kDa, while the glycosylated CD64 has a higher apparent molecular weight.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Li	34692546	Front Oncol	WB

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

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

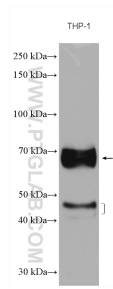
T: 4006900926

E: Proteintech-CN@ptglab.com

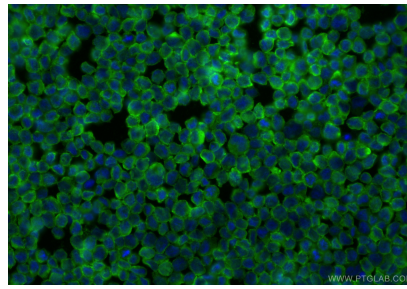
W: ptgcn.com

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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 27563-1-AP (CD64 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD64 antibody (27563-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).