For Research Use Only

CD64 Polyclonal antibody

Catalog Number:27563-1-AP 1 Publications

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Basic Information

Catalog Number:
27563-1-AP

Size:
800 μg/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

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
human

Positive Controls:

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

Background Information

Fcγ 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 FcγRIA, 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

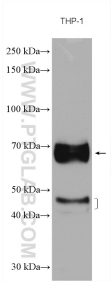
Author	Pubmed ID	Journal	Application
Li Li	34692546	Front Oncol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
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

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.