

For Research Use Only

CD64 Polyclonal antibody

Catalog Number: 27563-1-AP



Basic Information

Catalog Number: 27563-1-AP	GenBank Accession Number: BC032634	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2209	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: Fc fragment of IgG, high affinity Ia, receptor (CD64)	
Isotype: IgG	Calculated MW: 374 aa, 43 kDa	
Immunogen Catalog Number: AG26727	Observed MW: 65-70 kDa, 43-45 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : THP-1 cells, U-937 cells, HL-60 cells
Species Specificity: Human	

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 Fcγ 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.

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

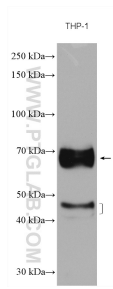
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates 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.