

For Research Use Only

CD14 Recombinant antibody

Catalog Number:83055-6-RR



Basic Information

Catalog Number: 83055-6-RR	GenBank Accession Number: BC010507	Purification Method: Protein A purification
Size: 100ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 929	CloneNo.: 230332D4
Source: Rabbit	ENSEMBL Gene ID: ENSG00000170458	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	UNIPROT ID: P08571	
	Full Name: CD14 molecule	
	Calculated MW: 375 aa, 40 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells,
Species Specificity: human	

Background Information

CD14 is a 50-55 kDa glycosylphosphatidylinositol-anchored glycoprotein preferentially expressed on monocytes and macrophages, and at lower levels on granulocytes (PMID: 3385210; 2462937; 7685797). CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS) (PMID: 1698311). It plays a major role in the inflammatory response of monocytes to LPS.

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

*** 20ul sizes contain 0.1% BSA

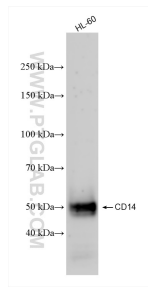
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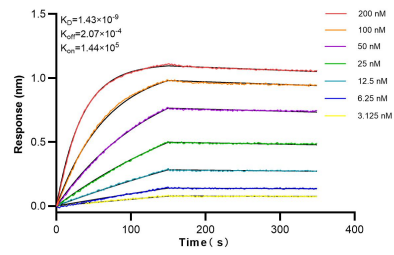
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Selected Validation Data



HL-60 cells were subjected to SDS PAGE followed by western blot with 83055-6-RR (CD14 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83055-6-RR against Human CD14 were performed. The affinity constant is 1.43 nM.