

For Research Use Only

CD14 Recombinant antibody, PBS Only



Catalog Number: 83055-6-PBS

Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA

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

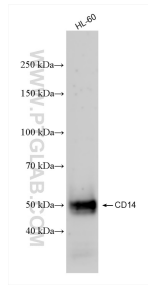
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

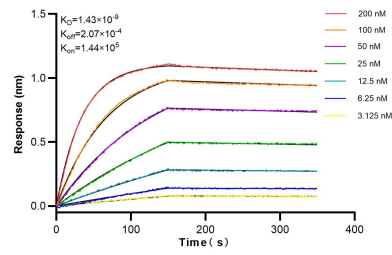
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Selected Validation Data



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. This data was developed using the same antibody clone with 83055-6-PBS in a different storage buffer formulation.



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