

For Research Use Only

CD14 Recombinant antibody

Catalog Number: 83297-8-RR



Basic Information

Catalog Number: 83297-8-RR	GenBank Accession Number: NM_009841.4	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 12475	CloneNo.: 240225C2
Source: Rabbit	UNIPROT ID: P10810	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: CD14 antigen	
	Calculated MW: 39 kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : RAW 264.7 cells, IF/ICC : RAW 264.7 cells,
Species Specificity: mouse	

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

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

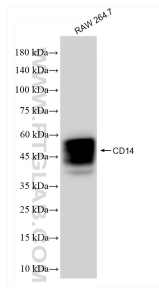
T: 4006900926

E: Proteintech-CN@ptglab.com

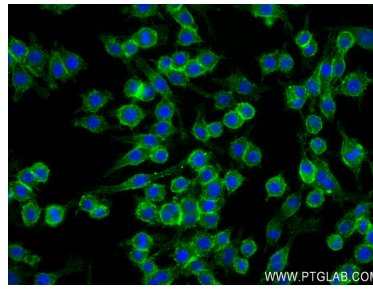
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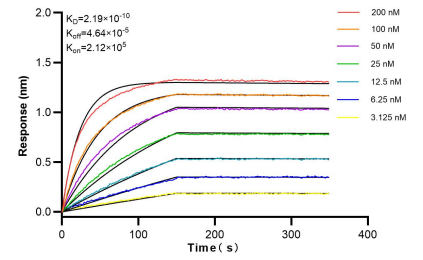
Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 83297-8-RR (CD14 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD14 antibody (83297-8-RR, Clone: 240225C2) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83297-8-RR against Mouse CD14 were performed. The affinity constant is 0.219 nM.