

For Research Use Only

CD14 Recombinant monoclonal antibody

Catalog Number: 83055-8-RR



Basic Information

Catalog Number:	83055-8-RR	GenBank Accession Number:	BC010507	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	929	CloneNo.:	230332B1
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000170458	Recommended Dilutions:	IHC: 1:10000-1:40000
Isotype:	IgG	UNIPROT ID:	P08571		
Immunogen Catalog Number:	EG0498	Full Name:	CD14 molecule		
		Calculated MW:	375 aa, 40 kDa		

Applications

Tested Applications:	IHC, ELISA	Positive Controls:	IHC : human tonsillitis tissue,
Species Specificity:	human		

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

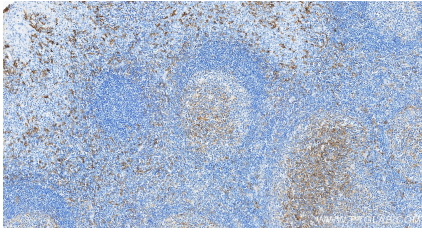
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

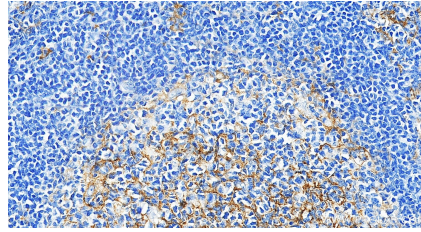
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83055-8-RR (CD14 antibody) at dilution of 1:20000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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