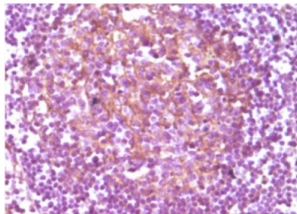
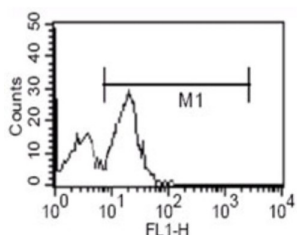


## Cluster Of Differentiation 14 (CD14) Antibody

Catalogue No.: abx010514



Immunohistochemical analysis of paraffin-embedded human lymphnode, showing membrane localization using CD14 antibody with DAB staining.



Flow cytometric analysis of human PBMC using CD14 antibody.

CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial lipopolysaccharide (LPS, endotoxin) and the lipopolysaccharide binding protein (LBP). LBP and CD14 antigen serves two physiological roles. These proteins act as opsonin and opsonic receptor, respectively, to promote the phagocytic uptake of bacteria or LPS-coated particles by macrophages.

**Target:** Cluster Of Differentiation 14 (CD14)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, IHC, FCM

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of human CD14 expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

# Datasheet

Version: 3.0.0  
Revision date: 04 Mar 2025



<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P08571 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	CD14
<b>GeneID:</b>	<a href="#">929</a>
<b>OMIM:</b>	<a href="#">158120</a>
<b>HGNC:</b>	1628
<b>KEGG:</b>	hsa:929
<b>Ensembl:</b>	ENSG00000170458
<b>String:</b>	<a href="#">9606.ENSP00000304236</a>
<b>Molecular Weight:</b>	40 kDa
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Concentration:</b>	Not determined.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.