

Product datasheet for **AM31358PU-N**

CD14 Mouse Monoclonal Antibody [Clone ID: B-A8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-A8
Applications:	ELISA, FC, IHC
Recommended Dilution:	Flow Cytometry: Use 10 µl to label 10e6 cells or 100 µl of whole blood. ELISA: This clone has been used as a Capture antibody in a Sandwich ELISA for analysis of Human CD14 in combination with clone MEM-18. Immunohistochemistry on Paraffin Sections: 1/200 Positive staining on human PML brain sections was mainly observed on monocytes in the luminal side using this clone antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Monocytes.
Specificity:	Recognises the lipopolysaccharide receptor (LPS R), a 55 kDa protein.
Formulation:	PBS containing 1% BSA as stabilizer and 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 molecule
Database Link:	Entrez Gene 929 Human P08571



[View online »](#)

Background:

CD14 is a 55 kDa GPI-anchored glycoprotein, constitutively expressed on the surface of mature monocytes, macrophages, and neutrophils, where serves as a multifunctional lipopolysaccharide receptor; it is also released to the serum both as a secreted and enzymatically cleaved GPI-anchored form. CD14 binds lipopolysaccharide molecule in a reaction catalyzed by lipopolysaccharide-binding protein (LBP), an acute phase serum protein. The soluble sCD14 is able to discriminate slight structural differences between lipopolysaccharides and is important for neutralization of serum allochthonous lipopolysaccharides by reconstituted lipoprotein particles. CD14 affects allergic, inflammatory and infectious processes.

Synonyms:

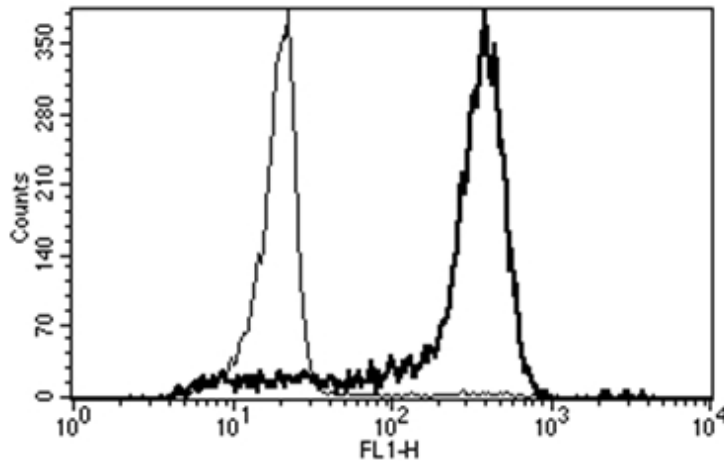
CD14

Protein Families:

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways:

Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway

Product images:

A typical staining pattern with the B-A8 monoclonal antibody of monocytes.