

30-1192: Anti-CD14 / LPS-receptor Monoclonal Antibody (Clone:B-A8)

Clonality :	Monoclonal
Clone Name :	B-A8
Application :	ELISA, IHC, FACS
Reactivity :	Human
Gene :	CD14
Gene ID :	929
Uniprot ID :	P08571
Format :	Purified
Alternative Name :	CD14
Isotype :	Mouse IgG1
Immunogen Information :	Human monocytes

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

ELISA The antibody B-A8 has been tested as the capture antibody in a sandwich ELISA for analysis of human CD14 in combination with antibody MEM-18 . **Immunohistochemistry** *Recommended dilution:* 2-10 $\mu\text{g/ml}$

Positive tissue: PML brain sections

Application note:

Positive staining on human PML brain sections was mainly observed on monocytes in the luminal side of brain blood vessels, and on some perivascular cells adjacent to medium-sized vessels.

Heat retrieval of antigen is recommended. **Flow Cytometry** *Recommended dilution:* 1 $\mu\text{g/ml}$