

Recombinant Human Monocyte differentiation antigen CD14(CD14),partial

Catalog No: #AP70133

Package Size: #AP70133-1 20ug #AP70133-2 100ug #AP70133-3 1mg

Description

Product Name	Recombinant Human Monocyte differentiation antigen CD14(CD14),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-345aaSequence Info:Partial
Other Names	Myeloid cell-specific leucine-rich glycoprotein; CD14
Accession No.	P08571
Calculated MW	62.2 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	TTPEPCELDDEDFRVCNCFSEPQPDWSEAFQCVSVEVEIHAGGLNLEPFLKRVDADADPRQYADTVKALRV RRLTVGAAQVPAQLLVGALRVLAYSRKELTLEDLKITGTMPPLEATGLALSSLRLRNVSATGRSWLAELQ QWLKPGKLVLSIAQAHSPAFCSEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQNLALRNTGMETPT GVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNSFAGLEQVPKGLPAKLRVLDLSCNRLN RAPQPDELPEVDNLTLDGNPFLVPGTALPHEGSMN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the MD-2,TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.

References

The monocyte differentiation antigen, CD14, is anchored to the cell membrane by a phosphatidylinositol linkage.Haziot A., Chen S., Ferrero E., Low M.G., Silber R., Goyert S.M.J. Immunol. 141:547-552(1988)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.