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Product datasheet for AR51517PU-N

CD14 (His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD14 (His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTTPEPCE LDDEDFRCVC NFSEPQPDWS EAFQCVSAVE VEIHAGGLNL EPFLKRVDAD ADPRQYADTV KALRVRRLTV GAAQVPAQLL VGALRVLAYS RLKELTLEDL KITGTMPPLP LEATGLALSS LRLRNVSWAT GRSWLAELQQ WLKPGLKVLS IAQAHSPAFS CEQVRAFPAL TSLDLSDNPG LGERGLMAAL CPHKFPAIQN LALRNTGMET PTGVCAALAA AGVQPHSLDL SHNSLRATVN PSAPRCMWSS ALNSLNLSFA GLEQVPKGLP AKLRVLDLSC NRLNRAPQPD ELPEVDNLTL DGNPFLVPGT ALPHEGSMNS GVV
Tag:	His-tag
Predicted MW:	37.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CD14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000582
Locus ID:	929
UniProt ID:	P08571
Cytogenetics:	5q31.3

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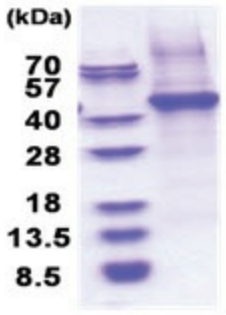
Summary: The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2020]

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:



15% SDS-PAGE (3ug)