

Mouse CD14 ELISA Kit

Catalog No: #EK5279

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Description

Product Name	Mouse CD14 ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,A18-P345
Other Names	Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; CD14; Cd14;
Accession No.	P10810
Uniprot	P10810
GeneID	12475;
Cell Localization	Cell membrane; Lipid-anchor, GPI-anchor.

Application Details

sensitivity:10pg mlDetect Range:156pg ml-10 000pg ml
sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
capture_antibody:monoclonal antibody from ratdetection_antibody:polyclonal antibody from goatgene_name:CD14protein_name:Monocyte differentiation antigen CD14gene_full_name:Monocyte differentiation antigen
CD14tissue_specificity:sequence_similarities:tmb_incubation:15-20minresearch_category:immunology|cell type markers|cd|myeloid cells|stem cells|hematopoietic progenitors|hematopoietic stem cells|human lineage negative|mesenchymal stem cells|negative markers|myeloid|monocytic lineage|neutrophil lineage|innate immunity|tlr signaling|endothelial progenitors|endothelial markers|kits/ lysates/ other|kits|elisa kits|cd markers elisa kits

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CD14

Background

protein_function: In concert with LBP, binds to monomericlipopolysaccharide and delivers it to the MD-2,TLR4 complex,thereby mediating the innate immune response to bacteriallipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leadingto NF-kappa-B activation, cytokine secretion and the inflammatoryresponse. Up-regulates cell surface molecules, including adhesionmolecules (By similarity)..CD14, Cluster of differentiation 14, single-copy gene encoding 2 protein forms: a 50- to 55-kD glycosylphosphatidylinositol-anchored membrane protein(mCD14) and a monocyte or liver-derived soluble serum protein(sCD14) that lacks the anchor. By in situ hybridization and study of somatic cell hybrid DNA that the gene is located at bands 5q23-q31. CD14 acts as a co-receptor(along with the Toll-like receptor TLR 4 and MD-2) for the detection of bacterial lipopolysaccharide(LPS). CD14 can bind LPS only in the presence of lipopolysaccharide-binding protein(LBP). Although LPS is considered its main ligand, CD14 also recognizes other pathogen-associated molecular patterns.

Note: This product is for in vitro research use only