

**CD14-FC recombinant protein**

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| <b>Catalog No :</b>           | YD3062  |
| <b>Reactivity :</b>           | Human;  |
| <b>Purity :</b>               | >90% as determined by SDS-PAGE  |
| <b>Gene Name :</b>            | CD14  |
| <b>Protein Name :</b>         | Monocyte differentiation antigen CD14 (Myeloid cell-specific leucine-rich glycoprotein) (CD antigen CD14) [Cleaved into: Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation a  |
| <b>Sequence :</b>             | Amino acid:19-345,with FC tag.  |
| <b>Human Gene Id :</b>        | 929   |
| <b>Human Swiss Prot No :</b>  | P08571  |
| <b>Formulation :</b>          | Phosphate-buffered solution   |
| <b>Source :</b>               | Mammalian cells   |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Avoid freeze / thaw cycles)   |
| <b>Function :</b>             | Coreceptor for bacterial lipopolysaccharide (PubMed:1698311, PubMed:23264655). In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the LY96/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS) (PubMed:20133493, PubMed:22265692, PubMed:23264655). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:8612135). Acts as a coreceptor for TLR2:TLR6 heterodimer in response to diacylated lipopeptides and for TLR2:TLR1 heterodimer in response to triacylated lipopeptides, these clusters trigger signaling from the cell surface and subsequently are targeted to the Golgi in a lipid-raft dependent pathway (PubMed:16880211). Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-) (PubMed:23880187). |
| <b>Subcellular Location :</b> | Cell membrane ; Lipid-anchor, GPI-anchor . Secreted . Membrane raft . Golgi apparatus . Note=Secreted forms may arise by cleavage of the GPI anchor. .  |

**Expression :** Detected on macrophages (at protein level) (PubMed:1698311). Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

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## Products Images