

Product datasheet for **TP725270**

CD14 Humon Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD14 (C-His)
Species:	Humon
Expression cDNA Clone or AA Sequence:	Thr20-Cys352
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH7.4
Note:	Recombinant Human CD14 is produced by our Mammalian expression system and the target gene encoding Thr20-Cys352 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	929
UniProt ID:	P08571
Summary:	CD14 is a cell surface glycoprotein that is selectively expressed on monocytes, macrophages, and activated granulocytes. CD14 is a component of the innate immune system. It exists in two forms. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and acts as a pattern recognition receptor that binds lipopolysaccharides (LPS) and various ligands derived from different microbial sources. The binding of CD14 with LPS is catalyzed by LPS binding protein (LBP). Toll-like receptors have also been implicated in the transduction of CD14-LPS signals. Soluble CD14 can be released from the cell surface by phosphatidylinositol-specific phospholipase C and has been found in serum and body fluids. High concentrations of soluble CD14 have been shown to inhibit LPS mediated responses. However, soluble CD14 can also potentiate LPS response in cells that do not express cell surface CD14.



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