

## Product datasheet for **TP723883**

### CD14 (NM\_000591) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Human CD14 molecule (CD14), transcript variant 1   |
| Species:                              | Human  |
| Expression Host:                      | CHO  |
| Expression cDNA Clone or AA Sequence: | Human CD14, the region of Thr20-Cys352, from gene Accession# NM_000591   |
| Tag:                                  | Tag Free   |
| Predicted MW:                         | 35.8 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >95%, as determined by Coomassie stained SDS-PAGE.   |
| Buffer:                               | 1 x PBS, pH 7.2  |
| Bioactivity:                          | The ED50 is 100-400 ng/ml, corresponding to a specific activity of 1.0-2.5 x 10 <sup>4</sup> units/mg, determined by production of IL-8 from THP-1 cells treated with LPS (2 ng/ml) and CD14.  |
| Endotoxin:                            | Less than 0.01 ng per µg protein as determined by the LAL method   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles. |
| RefSeq:                               | <a href="#">NP_000582</a>  |
| Locus ID:                             | 929  |
| UniProt ID:                           | <a href="#">P08571</a>   |
| RefSeq Size:                          | 1623   |
| Cytogenetics:                         | 5q31.3   |
| RefSeq ORF:                           | 1125   |



[View online »](#)

|                          |  |
|--------------------------|--|
| <b>Summary:</b>          | 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] |
| <b>Protein Families:</b> | Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane   |
| <b>Protein Pathways:</b> | Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway  |