

Cd14, 16-366aa, Mouse, His tag, Insect cell

Cat.NO.: TP01477

3th Edition

Synonyms:CD14 antigen

Description: Cd14, also known as monocyte differentiation antigen CD14, is a component of the innate immune system. This protein was found expressed in macrophages, neutrophil granulocyte and dendritic cells. It exists in two forms, one anchored to the membrane by a glycosylphosphatidylinositol tail (mCD14), the other a soluble form (sCD14). The major function is serve as a co-receptor (along with TLR4 and MD-2) for the bacterial lipopolysaccharide (LPS) and other pathogen-associated molecular patterns. Recombinant Mouse Cd14, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 38.3kDa (357aa) 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

SPAPPEPCELDEESCSCNFSDPKPDWSSAFNCLGAADVLYGGGRSLEYLLKRVDTADLGQFTDIIKSLSLKRLTV
RAARIPSRILFGALRVLGISGLQELTLENLEVTGTAPPPLEATGPDNLNLRNVSWATRDWLAEQQWLKPKGLKV
LSIAQAHSLNFSCEQVRVFPALSTLDLSDNPELGERGLISALCPLKFPTLQVLALRNAGMETPSGVCSALAAARVQL
QGLDLSHNSLRDAAGAPSCDWPSQLNLSLNSFTGLKQVPKGLPAKLSVLDLSYNRLDRNPSPDELPQVGNLSLKG
NPFLDSESHSEKFNSGVVTAGAPSSQAVALSGLTALLLGDRLFVHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.