

Product datasheet for **AM26196PU-N**

CD14 Mouse Monoclonal Antibody [Clone ID: 18D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	18D11
Applications:	FN
Recommended Dilution:	Flow cytometry: Typical starting working dilution is 1:50. Inhibits biological activity of sCD14, it inhibits LPS induced TNF production.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes human monocyte marker CD14, a 53 kDa glycoprotein, with both soluble and membrane CD14.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 molecule
Database Link:	Entrez Gene 929 Human P08571



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Background:

CD14 is a glycosphosphatidylinositol-linked protein, which is part of the LPS receptor complex. CD14 binds lipopolysaccharide (LPS) and as such, acts as a pattern recognition receptor (PRR). CD14 has also been suggested to mediate phagocytosis of bacteria and apoptotic cells. CD14 is involved in the endotoxin mediated release of Tumor Necrosis Factor-alpha by monocytic cells. CD14 is present on most monocytic and macrophage like cell types: monocytes, macrophages, Kupffer cells, pleural phagocytic cells and dendritic reticular cells. CD14 is present at low density on a subpopulation granulocytes and activated or transformed B-cells.

Synonyms:

CD14