

Product datasheet for **TA354268**

CD14 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA N/A IP N/A IHC 2-10 µg/ml FC Not tested
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein encoding aa 1-201 of human CD14
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	CD14 molecule
Database Link:	NP_000582 Entrez Gene 929 Human P08571
Background:	CD14, also known lipopolysaccharide (LPS) receptor, is a 55 kDa glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein. It is expressed at high levels on monocytes and macrophage, and at lower levels on the surface of granulocytes and neutrophils. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. CD14 is anchored to cells by linkage to GPI and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation. CD14 is involved in the clearance of gram-negative pathogens and in the up-regulation of adhesion molecules and cytokines expression in monocytes and neutrophils.



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Synonyms:	CD14 antigen; CD14 molecule; monocyte differentiation antigen CD14
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway