

## Product datasheet for **TA388957**

### CD14 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect Human sCD14 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ProSci's Biotinylated Anti-Human sCD14 as a detection antibody, allows the detection of at least 2000-4000 pg/ml of recombinant Human sCD14. Western Blot To detect Human sCD14 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for Recombinant Human sCD14 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits immunized with highly pure Recombinant Human sCD14. Anti-Human sCD14-specific antibody was purified by affinity chromatography employing an immobilized Human sCD14 matrix.
Concentration:	lot specific
Purification:	sCD14-specific antibody was purified by affinity chromatography employing an immobilized Human sCD14 matrix
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	<a href="#">P08571</a>



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**Background:**

CD14 is a cell surface-anchored glycoprotein that is expressed predominantly by monocytes and tissue macrophages. CD14 associates with MD-2 (LY-96) and TLR4 to form a receptor complex, which signals specifically in response to bacterial lipopolysaccharide (LPS) binding. The CD14/MD-2/TLR4 receptor complex signals via MyD88, TIRAP, and TRAF6, and ultimately activates NF- $\kappa$ B. CD14 also exists in a soluble form, designated as sCD14, which is capable of specifically binding LPS in the extracellular space. Recombinant Human sCD14 is a 331 amino acid glycoprotein comprising the extracellular portion of the CD14 receptor. The calculated molecular weight of Recombinant Human sCD14 is 35.6 kDa.