Anti-Human sCD14

20171219BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**102-P31**
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure recombinant human sCD14. Anti-human sCD14-specific antibody was purified by affinity chromatography employing an immobilized sCD14 matrix.

Target Background

Synonyms (Target):	soluble CD14, Monocyte differentiation antigen CD14

CD14 is a 55 kDa GPI-linked cell surface glycoprotein that is preferentially expressed on monocytes/macrophages. The amino acid sequence of mature human CD14 is approximately 67% and 64% identical to the mouse and rat proteins, respectively.

Database References Target

Protein RefSeq:	NP_000582.1
Uniprot ID:	P08571
mRNA RefSeq:	NM_000591.3

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	highly pure recombinant sCD14
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect Human sCD14 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/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.

ELISA: To detect human sCD14 by Sandwich ELISA (using 100µl/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 compatible secondary reagents, allows the detection of 2 - 4 ng/well of recombinant sCD14.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!