CD14 Recombinant Antibody [SC69-02] - Rat IgG1 (Chimeric)

HA601420

Product Type:	Recombinant Chimeric Antibody, primary antibodies
Applications:	
Molecular Wt:	Predicted band size: 40 kDa
Clone number:	SC69-02

Description: Lipopolysaccharide (LPS) elicits the secretion of mediators and cytokines produced by activated macrophages and monocytes. CD14 is a glycosylphosphatidylinositol (GPI)-anchored protein found on the surfaces of monocytes and polymorphonuclear leukocytes. CD14 functions as a receptor for LPS, resulting in the secretion of various proteins. An important component in the LPS activation of monocytes through the CD14 receptor is the "adapter molecule," lipopolysaccharide binding protein (LBP). There are two forms of CD14, a membrane-associated form (mCD14), and a soluble form (sCD14). mCD14 responds to LPS alone and facilitates the secretion of proteins, while cells not expressing mCD14 fail to respond to LPS. The cells that lack mCD14 respond to LPS/LBP in the presence of sCD14.

Immunogen: Synthetic peptide within Human CD14 aa 310-335 / 375.

Positive control: THP-1 cell lysate, RAW264.7 cell lysate, NIH/3T3 cell lysates, A549, NCCIT, NIH/3T3, LO2, human tonsil tissue, human liver tissue, human colon carcinoma tissue, human spleen tissue, human uterus tissue, human lymph nodes tissue, human cervical cancer.

Subcellular location: Cell membrane, Secreted, Golgi apparatus, Membrane raft.

Database links: SwissProt: P08571 Human | P10810 Mouse

Storage Buffer: PBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

No Images

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Dutertre CA et al. Deciphering the stromal and hematopoietic cell network of the adventitia from non-aneurysmal and aneurysmal human aorta. PLoS One 9:e89983 (2014).
2. Hsu RY et al. LPS-induced TLR4 signaling in human colorectal cancer cells increases beta1 integrin-mediated cell adhesion and liver metastasis. Cancer Res 71:1989-98 (2011).