

Product Datasheet

CD14 Antibody

Catalog No: CY5722

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC



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Information

UniProt ID: P08571

All Names: CD14; Monocyte differentiation antigen CD14; Myeloid cell specific leucine rich glycoprotein;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 55 kDa

Application

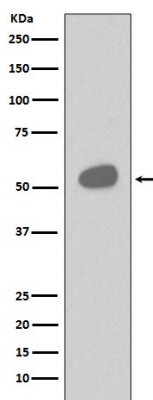
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC: 1:50~1:200

Background

CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial lipopolysaccharide (LPS, endotoxin) and the lipopolysaccharide binding protein (LBP). LBP and CD14 antigen serves two physiological roles. These proteins act as opsonin and opsonic receptor, respectively, to promote the phagocytic uptake of bacteria or LPS-coated particles by macrophages.



Western blot analysis of CD14 expression in Human tonsil cell lysate.

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