

CD14 (5A3) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252612

Unit: 0.1 ml

Description:

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, to promote the phagocytic uptake of bacteria or LPS coated particles by macrophages.

Isotype: Mouse IgG1

Applications: E, FC, IHC, WB

Species Reactivity: H

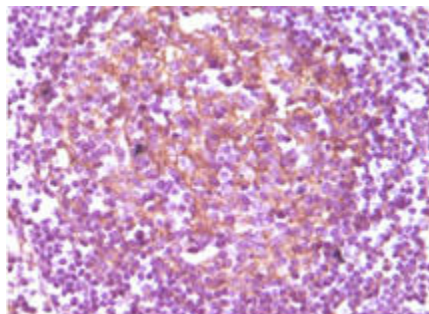
Format: Each vial contains 0.1 ml IgG (0.4 mg/ml) of PBS pH7.4 with 0.03% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation antigen CD14, membrane-bound form; CD14

Accession No.: P08571

Antigen: Purified recombinant fragment of human CD14 expressed in *E. coli*.

Application Notes: ELISA: 1:5000; WB: 1: 500-1: 2,000; IHC: 1: 200-1: 400; FC: 1: 200-400



CD14 staining in lymph nodes. Paraffin-embedded human lymph nodes are stained with CD14 (5A3) Antibody (Cat. No. 252612) used at 1:200 dilution.

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.