

CD14 Mouse, Sf9

CD14 Mouse Recombinant, Sf9
CDA0010

Product Overview

Name CD14 Mouse, Sf9

Description

CD14 Mouse Recombinant, Sf9

Accession (Primary) [P10810](#)

Immunogen

Anti-human CD14 mAb, clone PAT87H7AT, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CD14 protein 20-349 amino acids purified from E. coli.

Synonyms

Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein.

Introduction

CD14 (also known lipopolysaccharide (LPS) receptor) is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation. CD14 has been shown to bind apoptotic cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

1mg/ml containing PBS, pH-7.4, 10% Glycerol and 0.02% Sodium Azide.

Applications

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:100.

Type

Mouse Anti Human Monoclonal.

Clone

PAT87H7AT.

Ig Subclass

Mouse IgG 2b heavy chain and k light chain.

Purification Method

CD14 antibody was purified from mouse ascitic fluids by protein-A affinity chromatography.

Storage Procedures

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Stability / Shelf Life

12 months at -20°C. 1 month at 4°C.

Precautions

CD14 Mouse, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P10810](#))