

Product datasheet

Mouse Anti-CD14-FITC (MM101-F)



Overview

Product name	Anti-Human CD14
Host species	Mouse
Target species	Human
Tested applications	Suitable for: Flow cytometry, ICC, IHC-Fr, IHC-P
Immunogen	A KLH-conjugated synthetic peptide derived from human CD14 protein was used for immunization.
Conjugation	FITC

Properties

Form	Liquid
Storage instructions	Shipped at 4 °C. Store at 4 °C. Avoid freezing. Store at dark.
Storage buffer	Phosphate buffered saline pH 7.4, contains stabilizer and $\leq 0.09\%$ sodium azide.
Purity	Protein G affinity purified
Purification notes	This product was prepared by immunoaffinity chromatography using protein G coupled to Sepharose 4B.
Conjugation notes	FITC-conjugated
Clonality	Monoclonal
Isotype	IgG
General notes	Centrifuge product if not completely clear after standing at room temperature. This product is stable before the expiry date at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Our customer's feedback says the antibody worked great. If in case the antibody fails to give results then please contact our scientific support team for assistance.

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end-user.

Product Usage Information:

Application Dilutions

Immunohistochemistry (Paraffin)	5-10 ug/ml
Immunohistochemistry (Frozen)	5-10 ug/ml
Immunofluorescence	5-10 ug/ml
Flow Cytometry	5-10 ug/ml

Background:

CD14 (cluster of differentiation 14) is a human protein made mostly by macrophages as part of the innate immune system. It helps to detect bacteria in the body by binding lipopolysaccharide (LPS), a pathogen-associated molecular pattern (PAMP).

CD14 exists in two forms, one anchored to the membrane by a glycosylphosphatidylinositol (GPI) tail (mCD14), the other a soluble form (sCD14). Soluble CD14 either appears after shedding of mCD14 (48 kDa) or is directly secreted from intracellular vesicles (56 kDa).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

References:

Note: This product has originally been developed at Avicenna Research Institute, Tehran, IRAN and assigned to PADZA Company according to contract 98/15/191, dated 98/01/10.