

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD14 in sandwich ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 50040
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD14 Thr20-Cys352 Accession # P08571
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS and NaCl with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Human CD14 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human CD14 Antibody (Catalog # MAB3833)
ELISA Detection	0.1-0.4 µg/mL	Human CD14 Biotinylated Antibody (Catalog # BAF383)
Standard		Recombinant Human CD14 (Catalog # 383-CD)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD14 occurs both as a secreted protein and as a GPI-linked membrane protein. It plays a critical role in lipopolysaccharide (LPS)-dependent signal transduction.