Mouse MARCO Antibody

Monoclonal Rat IgG_1 Clone # 579511

Catalog Number: MAB2956

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MARCO in direct ELISAs.
Source	Monoclonal Rat IgG_1 Clone # 579511
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MARCO Gln70-Ser518 Accession # Q60754
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 either lyophilized or as a 0.2 μm filtered solution in PBS.

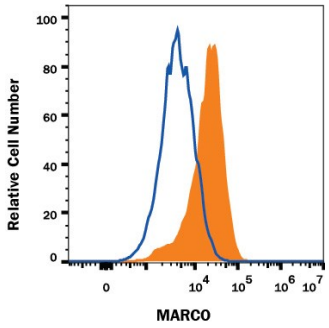
APPLICATIONS

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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10^6 cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of MARCO in J774 Mouse Cell Line by Flow Cytometry J774 mouse monocyte-macrophage cell line, resting (open histogram), or treated with 500 ng/ml LPS for 3 days (filled histogram) were stained with Rat Anti-Mouse MARCO Monoclonal Antibody (Catalog # MAB2956) followed by anti-Rat IgG APC-conjugated secondary antibody (Catalog # F0113). View our protocol for Staining Membrane-associated Proteins.

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.** • 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

Mouse MARCO is a type II transmembrane glycoprotein belonging to the class A scavenger receptor family. It is constitutively expressed in subsets of macrophages found in the marginal zone of the spleen, the peritoneum, and the medullary cord of lymph nodes. The extracellular domains of MARCO form a 220 kDa disulfide-linked homotrimer on the cell surface. MARCO binds both gram positive and gram negative bacteria, as well as oxidized low-density lipoprotein. The amino acid sequence of mouse MARCO extracellular domain is 69% identical to that of human MARCO.

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