Human TNF-α Membrane Form Fluorescein-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 6401

Catalog Number: FAB210F
50 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects cell surface expressed TNF-α (membrane and receptor bound forms) by flow cytometry. Detects human TNF-α in direct ELISAs and Western blots. In direct ELISAs, approximately 25–50% cross–reactivity with recombinant porcine TNF–α and recombinant rhesus macaque TNF-α is observed but no cross-reactivity with recombinant cotton rat TNF–α, recombinant rat TNF–α, recombinant human (rh) LTα1/β2, rhLTα2/β1, rhAPRIL, rhBAFF, rhEDA–A2, recombinant mouse EDA, rhFas Ligand, rhLIGHT, rhOX40 Ligand, rhTRAIL, rhTRANCE, rhTWEAK, or rhVEGI is observed.
Source	Monoclonal Mouse IgG_1 Clone # 6401
Purification	Protein A or G purified from ascites
Immunogen	*E. coli*-derived recombinant human TNF-α Gly57-Leu233 (predicted) Accession # P01375
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

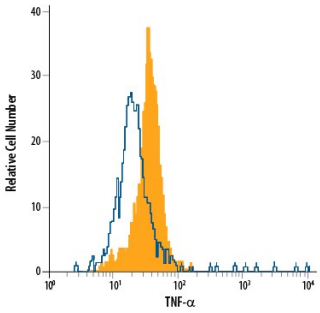
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of TNF-α in Human Peripheral Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human TNF-α Membrane Form Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB210F, filled histogram) or isotype control antibody (Catalog # IC002F, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

TNF-α is a trimeric glycoprotein active in both membrane bound and secreted forms. TNF-α is produced by several lymphoid cells as well as by astrocytes, endothelial cells, and smooth muscle cells. TNF-α binds to TNF RI and TNF RII present on virtually all cell types where it triggers the activation of multiple signal transduction pathways and modulates the expression of a wide variety of genes.

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