

Human TNF-alpha Fluorescein-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 6402

Catalog Number: IC210F

100 TESTS

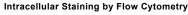
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects cytoplasmic forms of human TNF-α.		
Source	Monoclonal Mouse IgG ₁ Clone # 6402		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Recombinant human TNF-α		
Conjugate	Fluorescein Excitation Wavelength: 488 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 Shee (SDS) for additional information and handling instructions.		

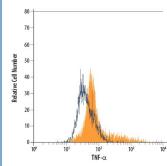
APPLICATIONS

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
Intracellular Staining by Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA





Detection of TNF-α in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) treated with PMA and Ca²⁺ ionomycin for 24 hours were stained with Mouse Anti-Human TNF-α Fluorescein-conjugated Monoclonal Antibody (Catalog # IC210F, filled histogram) or isotype control antibody (Catalog # IC002F, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

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 , designated TNFSF2, 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.

