

Mouse TNF-alpha Fluorescein-conjugated Antibody

Monoclonal Rat IgG₁ Clone # MP6-XT22

Catalog Number: IC410F

100 TESTS

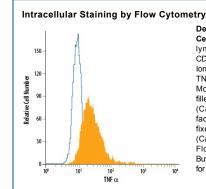
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse TNF-α.		
Source	Monoclonal Rat IgG ₁ Clone # MP6-XT22		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse TNF-α		
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 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
Intracellular Staining by Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA



Detection of TNF-alpha in EL-4 Mouse Cell Line by Flow Cytometry. EL-4 mouse lymphoblast cell line treated with anti-CD3/anti-CD28, PMA, and Calcium lonomycin were stained with Rat Anti-Mouse TNF-alpha Fluorescein-conjugated Monoclonal Antibody (Catalog # IC410F, filled histogram) or isotype control antibody (Catalog # IC005F, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilizated 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 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, through which it triggers the activation of multiple signal transduction pathways and modulates the expression of a wide variety of genes.

