

DESCRIPTION

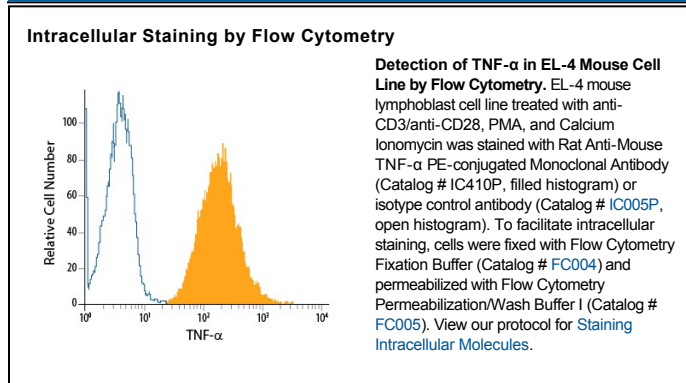
Species Reactivity	Mouse
Specificity	Detects mouse TNF- α in flow cytometry.
Source	Monoclonal Rat IgG ₁ Clone # MP6-XT22
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse TNF- α
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
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 μ L/10 ⁶ cells	See Below

DATA



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. <ul style="list-style-type: none"> 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. Over the mature regions, human and mouse share 66% amino acid sequence identity.