

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-10 in ELISAs. In sandwich immunoassays, less than 5% cross-reactivity with recombinant equine IL-10 is observed and less than 0.5% cross-reactivity with recombinant canine IL-10, recombinant mouse IL-10, recombinant rat IL-10, recombinant porcine IL-10, recombinant cotton rat IL-10, and recombinant feline IL-10 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 127107
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human IL-10 Ser19-Asn178 Accession # P22301
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
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.

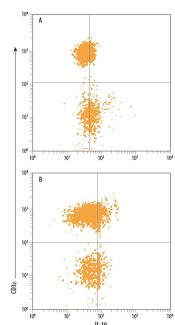
APPLICATIONS

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

Intracellular Staining by Flow Cytometry



Detection of IL-10 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) either (A) untreated or (B) treated with PMA and Calcium Ionomycin were stained with Mouse Anti-Human IL-10 Fluorescein-conjugated Monoclonal Antibody (Catalog # IC2172F) and Mouse Anti-Human CD3 ϵ APC-conjugated Monoclonal Antibody (Catalog # FAB100A). Quadrant markers were set based on control antibody staining (Catalog # IC002F). 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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Interleukin-10 (IL-10) is a pleiotropic cytokine that can exert either immunostimulatory or immunosuppressive effects on a variety of cell types. It is produced predominantly by Th2 lymphocytes and other activated lymphoid cells.