Human IL-10 PerCP-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 127107

Catalog Number: IC2172C
100 TESTS

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	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human IL-10 Ser19-Asn178 Accession # P22301
Conjugate	PerCP (Peridinin-chlorophyll Protein Complex) Excitation Wavelength: 482 and 564 nm Emission Wavelength: 675 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.

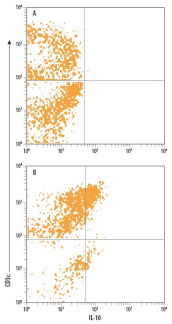
APPLICATIONS

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

Intracellular Staining by Flow Cytometry



Detection of IL-10 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes untreated (A) or treated (B) with PMA and Calcium Ionomycin were stained with Mouse Anti-Human IL-10 PerCP-conjugated Monoclonal Antibody (Catalog # IC2172C) and Mouse Anti-Human CD3ε PE-conjugated Monoclonal Antibody (Catalog # FAB100P). Quadrant markers were set based on control antibody staining (Catalog # IC002C). 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

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.

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