

# **Human IL-10 Antibody**

Monoclonal Mouse IgG<sub>1</sub> Clone # 127107 Catalog Number: MAB2172

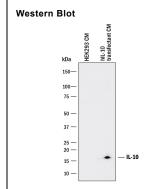
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human IL-10 in ELISAs. In sandwich immunoassays, less than 5% cross-reactivity with recombinant equine IL-10 is observed and less than 0.5% cross-reactivity with recombinant canine IL-10, recombinant mouse IL-10, recombinant rat IL-10, recombinant porcine IL-10, recombinant cotton rat IL-10, and recombinant feline IL-10 is observed.
Source	Monoclonal Mouse IgG <sub>1</sub> 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

# 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
Western Blot	5 μg/mL	See Below
Human IL-10 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μg/mL	Human IL-10 Antibody (Catalog # MAB2172)
ELISA Detection	0.1 <b>-</b> 0.4 μg/mL	Human IL-10 Biotinylated Antibody (Catalog # BAF217)
Standard		Recombinant Human IL-10 (Catalog # 1064-IL)

### DATA



Detection of Human IL-10 by Western Blot. Western blot shows conditioned media of HEK293 human embryonic kidney cell line either mock transfected or transfected with human IL-10. PVDF membrane was probed with 5 µg/mL of Mouse Anti-Human IL-10 Monoclonal Antibody (Catalog # MAB2172) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for IL-10 at approximately 16 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70  $^{\circ}$ C

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- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## 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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