

Human IL-10 Antibody

Recombinant Monoclonal Mouse IgG_{2B} Clone # 23738R Catalog Number: MAB217R

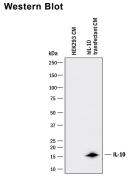
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IL-10 in direct ELISAs.		
Source	Recombinant Monoclonal Mouse IgG _{2B} Clone # 23738R		
Purification	Protein A or G purified from cell culture supernatant		
Immunogen	E. coli-derived recombinant human IL-10 Ser19-Asn178 Accession # P22301		
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.		
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

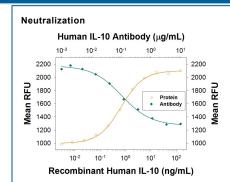
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample	
Western Blot	2 μg/mL	See Below	
Neutralization	Measured by its ability to neutralize IL-10-induced proliferation in the MC/9-2 mouse mast cell line. Thompson-Snipes, L. <i>et al.</i> (1991) J. Exp. Med. 173 :507. At 5 μg/mL, this antibody will neutralize >60% of the bioactivity due to 5 ng/mL Recombinant Human IL-10.		

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 2 μg/mL of Mouse Anti-Human IL-10 Monoclonal Antibody (Catalog # MAB217R) 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.



Cell Proliferation Induced by IL-10 and Neutralization by Human IL-10 Antibody. Recombinant Human IL-10 (Catalog # 217-IL) stimulates proliferation in the MC/9-2 mouse mast cell line in a dosedependent manner (orange line). Proliferation elicited by Recombinant Human IL-10 (5 ng/mL) is neutralized (green line) by increasing concentrations of Recombinant Mouse Anti-Human IL-10 Monoclonal Antibody (Catalog # MAB217R). At 5 µg/mL, this antibody will neutralize >60% Recombinant Human IL-10 induced bioactivity.

PREPARATION AND STORAGE

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 °C

- 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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