

Nur für Forschungszwecke

NeutraControl IL-10 Monoklonaler Antikörper



Katalog-Nr.: 69518-1-Ig

Allgemeine Informationen

Katalog-Nr.: 69518-1-Ig	GenBank-Zugangsnummer: GeneID (NCBI): 3586	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ug	Vollständiger Name: interleukin 10	CloneNo.: 6C6E6
Wirt: Maus		
Isotyp: IgG1		
Immunogen Katalognummer: HZ-1145		

Anwendungen

Geprüfte Anwendungen:
Non-Neutralization, ELISA

Getestete Reaktivität:
Human

Hintergrundinformationen

The human IL10 gene is 4.7 kb in size and is located on the long arm of chromosome 1. It contains five exons. Biologically functional IL-10 exists in the form of a 36 kDa homodimer composed of two non-covalently bonded monomers each with 160 amino acids length. IL-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF- κ B activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

This antibody is a neutralizing control antibody for IL-10, the immunogen is the same as Neutrakine 69018-1-Ig but could not neutralize human IL-10.

Lagerung

Lagerungsbedingungen:
Lyophilisierte Antikörper sind bei Lagerung zwischen (-20°C) und (-80°C) 1 Jahr ab Empfangsdatum stabil. Bei Rekonstitution empfehlen wir, die Lösung kurzfristig bei (4°C) oder langfristig bei (-20°C) bis (-80°C). Rekonstituierte Produkte sollten nicht wiederholt eingefroren und wieder aufgetaut werden.

Lagerungspuffer:
Sterile PBS.

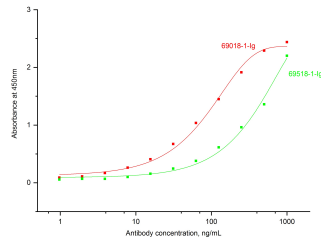
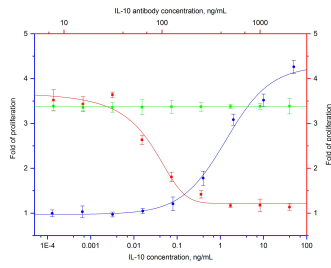
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



Recombinant human IL-10 (Cat.NO. HZ-1145) stimulates proliferation of MC/9 cells (mouse mast cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human IL-10 (10 ng/mL) is neutralized by mouse anti-human IL-10 monoclonal antibody 69018-1-Ig at serial dose (red curve, refer to top X-right Y axis). The ND50 is typically 50-200 ng/mL. The NeutraControl mouse anti-human IL-10 monoclonal antibody 69518-1-Ig could



Indirect ELISA was carried out by coating recombinant Human IL-10 (Cat.NO. HZ-1145) at 70 ng/well followed by blocking and adding serial diluted IL-10 antibody 69018-1-Ig and 69518-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.