

IL12A/IL12B

Rabbit Anti-Human IL12p70 pAb

Catalog No.	CPI014	Quantity:	500 µg
Description:	The polyclonal antibody recognizes human interleukin 12 (IL-12), a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. IL-12 p70 is a disulfide-linked heterodimer composed of the p40 and p35 subunits. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cell development, and is important for sustaining a sufficient number of memory/ effector Th1 cells to mediate long-term protection from an intracellular pathogen.		
Gene ID:	3592, 3593		
UniProtKB:	P29459, P29460		
Conjugate:	Unconjugated		
Specificity:	Native and recombinant human and Old World monkey IL12 and IL23.		
Host:	Rabbit		
Isotype:	Ig		
Immunogen:	Recombinant Human IL12p70 expressed in CHO cells		
Formulation:	Lyophilized from a sterile filtered antibody solution in 500 µL PBS, 125 mM Trehalose.		
Purification:	Sequentially purified by ammonium sulfate precipitation and protein A affinity chromatography.		
Endotoxin Level:	115 pg/mL		
Reconstitution:	Resuspend contents of the vial with 500 µL sterile distilled water.		
Applications:	<i>In vitro</i> Neutralization, Western Blot		
Biological Activity:	8 x 10 ³ neutralizing units/mg protein. One neutralizing unit is defined as the amount of IgG sufficient for a 50% inhibition of IFN-γ synthesis by human PBMC (2x 10 ⁵ cells/well) stimulated with 1 ng Human IL12. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Upon receipt, store at 2-8 °C for up to 1 year. After reconstitution, store for at 2-8 °C for up to 1 month or in working aliquots at -20°C for up to 1 year. Add 0.02% sodium azide to prevent bacterial growth. Avoid repeated freeze-thaw cycles.		

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