

## IL12A

### Mouse Anti-Human IL-12 p35 / p70 (Clone B-T21) mAb, Azide Free

<b>Catalog No.</b>	CDM271A	<b>Quantity:</b>	200 µg
	CDM271B		500 µg
	CDM271C		1.0 mg
<b>Alternate Names:</b>	Interleukin-12 subunit alpha, IL-12A, IL-12 p35, Cytotoxic lymphocyte maturation factor 35 kDa subunit, CLMF p35, NK cell stimulatory factor chain 1, NKSF1		
<b>Description:</b>	IL-12p70 is the biologically active form and is composed of two subunits: IL-12p35 (also named IL-12A) and IL-12p40 (also named IL-12B). The p35 subunit has homology to IL-6, while p40 has homology with IL-23. The p40 subunit has been found to be expressed in a higher excess over p70. It is present in serum and plasma as a monomer, a heterodimer with IL-12p35 (biologically active IL-12p70) or heterodimer with IL-23p19 (IL-23). The subunits are genetically unrelated and regulated independently: IL-12p40 is produced constitutively and in excess of IL-12p35 and IL-23p19.		
<b>UniProt ID:</b>	P29459		
<b>Gene ID:</b>	3592		
<b>Concentration:</b>	1.0 mg/ml		
<b>Specificity:</b>	Recognizes native and recombinant human IL-12, the p35 subunit and p70 heterodimer.		
<b>Hybridoma:</b>	Myeloma X63/AG.8653 x Balb/c spleen cells		
<b>Isotype:</b>	Mouse IgG1 Kappa light chain		
<b>Immunogen:</b>	Recombinant Human IL-12		
<b>Clone:</b>	B-T21		
<b>Formulation:</b>	Sterile filtered PBS, carrier and preservative free.		
<b>Biological Activity:</b>	Inhibits IL-12 induced IFN-gamma synthesis on PHA activated lymphocytes		
<b>Applications:</b>	Functional Studies, ELISA		
<b>Application Notes:</b>	<b>ELISA:</b> Use as a Capture Ab at 0.3-1 µg/ml in a human IL-12 sandwich Immunoassay to detect human IL-12 in combination with biotinylated human IL-12 p70 Detection Antibody (Cat No CDM429).		
<b>Storage &amp; Stability:</b>	Stable at 2-8°C for 1 year. For longer storage, freeze in aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		



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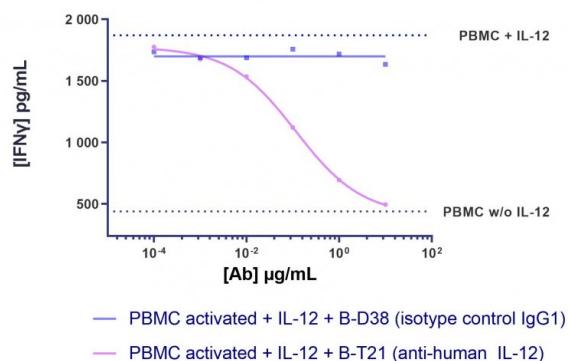
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ELISA quantification of IFNg secretion by PBMC (PHA activated after 72 hours) with IL-12 (300 pg/ml) and different concentration of B-T21 or isotype control.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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