

Product datasheet for **TA388904**

IL12a , IL12b Rat Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<p>Sandwich ELISA: In a sandwich ELISA (assuming 100ul/well), a concentration of 2.0-4.0 µg/ml of this antibody will detect at least 1000pg/ml of Recombinant Murine IL-12 when used with ProSci's Biotinylated Antigen Affinity Purified anti-Murine IL-12 as the detection antibody at a concentration of approximately 1.0-2.0 µg/ml.</p> <p>Western Blot</p> <p>To detect Murine IL-12 by Western Blot analysis this antibody can be used at a concentration of 2.0-4.0 µg/ml. When used in conjunction with compatible secondary reagents the detection limit for Recombinant Murine IL-12 is 1.0-2.0 ng/lane, under reducing conditions and 0.25-0.5 ng/lane, under non-reducing conditions.</p>
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Immunogen:	Produced in Sprague Dawley rats immunized with highly pure Recombinant Murine IL-12. Anti-Murine IL-12-specific antibody was purified from cell culture by Protein G affinity chromatography.
Concentration:	lot specific
Purification:	IL-12-specific antibody was purified from cell culture by Protein G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Background:	IL-12 is a potent regulator of cell-mediated immune responses and it induces IFN-gamma production by NK and T cells. It is produced by activated monocytes/macrophage cells, B lymphocytes and connective tissue-type mast cells. Among its biological activities, IL-12 promotes the growth and activity of activated NK, CD4+ and CD8+ cells, and induces the development of IFN-gamma-producing Th1 cells. Recombinant Murine IL-12 is a 75.0 kDa heterodimeric glycoprotein consisting of disulfide-linked 35 kDa (p35) and 40 kDa (p40) subunits (506 total amino acid residues).



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