

## Product datasheet for **TA388935**

### II12a , II12b Goat Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	Sandwich ELISA: To detect mIL-12 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.25 – 1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Murine IL-12 as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant mIL-12. Western Blot To detect mIL-12 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mIL-12 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Produced from sera of goats pre-immunized with highly pure (>98%) recombinant mIL-12. Anti-Murine IL-12 specific antibody was purified by affinity chromatography and then biotinylated.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	IL-12 specific antibody was purified by affinity chromatography and then biotinylated
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Background:</b>	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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