

Product datasheet for **PP1102B1**

IL12A (alpha + beta) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: To detect hIL-12 by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hIL-12. Western Blot: To detect hIL-12 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 mg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-12 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hIL-12 (human Interleukin-12).
Specificity:	Interleukin-12 (IL-12)
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Biotin
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	interleukin 12A
Database Link:	Entrez Gene 3592 Human P29459



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Background:	Interleukin 12 (IL12) can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine activated killer cells, and stimulate the production of IFN gamma by resting PBMC. IL12 induces IFN gamma, TNF alpha production in T and NK cells; costimulation of PBL proliferation; proliferation/differentiation of TH1 T lymphocytes. It is downregulated by IL10; homodimeric p40 antagonistic to functional p70 heterodimer. IL12R beta 1 binds p40 but when dimeric with IL12R beta 2 binds p35.
Synonyms:	IL-12A, IL-12 subunit p35, NKSF1, CLMF p35
Note:	Centrifuge vial prior to opening!
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Allograft rejection, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway, Type I diabetes mellitus