

Product datasheet for **PP1110P1**

Il12a (alpha + beta) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of mIL-12 (0.3 ng/ml), a concentration of 0.012 - 0.2 µg/ml of this antibody is required. ELISA: To detect mIL-12 by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant mIL-12. Western Blot: To detect mIL-12 alpha by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 µg/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. Immunohistochemistry: We recommend use of 1 µg per ml as a starting dilution. Paraffin sections may require pretreatment like Proteinase K or Trypsin predigestion to improve staining.
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant mouse IL-12
Specificity:	Interleukin-12 (IL-12)
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
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.



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Stability:	Shelf life: One year from despatch.
Gene Name:	interleukin 12a
Database Link:	Entrez Gene 16159 Mouse P43431
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!