



Anti-Human IL-12

20150304ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M72
Size:	500 µg
Lot. No.:	According to product label

Preparation: Monoclonal antibodies were produced in BALB/c X ICR F1 mice using recombinant hIL-12 as the immunizing antigen. IgG1k antibody was purified from ascites fluid on a Protein A affinity column.

Target Background

Synonyms (Target):	IL12A; P35; CLMF; NFSK; NKSF1; IL-12A
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Interleukin 12 (IL-12), also known as natural killer cell stimulatory factor (NKSF) or cytotoxic lymphocyte maturation factor (CLMF), is a heterodimeric pleiotropic cytokine made up of a 40 kDa (p40) subunit and a 35 kDa (p35) subunit. The IL-12 p40 subunit is shared by IL-23, another heterodimeric cytokine that has biological activities similar to, as well as distinct from, IL-12. IL-12 is produced by macrophages and B cells and has been shown to have multiple effects on T cells and natural killer (NK) cells. While mouse IL-12 is active on both human and mouse cells, human IL-12 is not active on mouse cells.

Database References Target

Protein RefSeq:	NP_000873.2
Uniprot ID:	P29459
mRNA RefSeq:	NM_000882.3

Product Specifications

Species reactivity	Human
Cross reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Purification	Protein A chromatography
Immunogen	Recombinant human IL-12
Formulation	lyophilized
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: Lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least 2 weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

ELISA:

In a sandwich ELISA (assuming 100 µl/well), a concentration of 1 - 2 µg/ml of this antibody will detect at least 0.2 ng/well of recombinant human IL-12 when used with biotinylated antigen affinity purified anti-human IL-12 as the detection antibody.

Western Blot

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!