

Recombinant Mouse IL-12 Protein

| Catalog # | Source | Reactivity | Applications |
|-----------|-------------|------------|---------------------|
| CRP2987 | Human cells | Mouse | E, WB, SDS-PAGE, MS |

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|---------------------------|---|
| Description | Recombinant Mouse IL-12 Protein is produced by mammalian expression system and the target gene encoding Met23-Ser335 & Arg23-Ala215 is expressed. |
| Form | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4. |
| Gene Symbol | IL12A; IL12B |
| Alternative Names | NKSF1; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1; NKSF1; NKSF2; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; NK cell stimulatory factor chain 2; NKSF2 |
| Entrez Gene | 16159; 16160 (Mouse) |
| SwissProt | P43431; P43432 (Mouse) |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. |
| Chemical Structure | MWELEKDVYV VEVDWTPDAP GETVNLCTD PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTFLEKCEAPN YSGRFTCSWL VQRNMDLKFN IKSSSSPDS RAVTCGMASL SAEKVTLDQR DYKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS TSFFIRDIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV QAQDRYNSS CSKWACVPCR VRS&RVIPVS GPARCLSQSR NLLKTTDDMV KTAREKLNKHY SCTAEDIDHE DITRDQTSTL KTCLPLELHK NESCLATRET SSTTRGSCLP PQKTSMMTL CLGSIYEDLK MYQTEFQAIN AALQNHNHQQ IILDKGMLVA IDELMQSLNH NGETLRQKPP VGEADPYRVK MKLCILLHAF STRVVTINRV MGYLSSA |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

| | |
|---------------------------|---|
| Quality Control | Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test. |
| Directions for Use | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage/Stability | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |

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