

Anti-IL12 [1-1A4]

Catalogue number: 151022

Sub-type: Primary antibody

Images:

Contributor

Inventor: Rosemonde Banks

Institute: University of Leeds

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-IL12 [1-1A4]

Alternate name: Interleukin 12; Cytotoxic Lymphocyte Maturation Factor 4 KDa Subunit; NK Cell Stimulatory Factor Chain; Interleukin-12 Beta Chain; IL-12 Subunit P4; CLMF P4; NKSF2; Natural Killer Cell Stimulatory Factor; IL12; Subunit P4; Interleukin 12; CLMF2; IMD29; NKSF; P4

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which binds p40 subunit of interleukin-12.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Recombinant human IL-12 produced in Baculovirus.

Immunogen UNIPROT ID: P29459

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Interleukin-12 (IL12) p40 subunit

Target alternate names:

Target background: IL-12 is a heterodimeric cytokine comprised of p35 and p40 subunits. IL-12 plays a central role in cell-mediated immunity, promoting the differentiation of CD4⁺ T cells to the Th1 subset and of CD8⁺ T cells into mature cytotoxic T lymphocytes (CTLs). Interleukin 12 (IL-12) is produced by dendritic cells, macrophages, neutrophils, and human B-lymphoblastoid cells in response to antigenic stimulation. IL-12 is a potent stimulator of Natural Killer cells. IL-12 therapy has been suggested as a method of enhancing cytotoxic anti-tumour immune responses. This antibody recognises the p40 subunit of human IL-12 and binds to both the free subunit and the p35/p40 heterodimer. It reacts with both stimulated and unstimulated monocytes in immunohistology.

Molecular weight:

Ic50:

Applications

Application: IHC ; ELISA ; IHC ; RIA ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Gurden et al. 2010. J Cell Sci. 123(Pt 3):321-30. PMID: 20053638. ; Cdc20 is required for the post-anaphase, KEN-dependent degradation of centromere protein F. ; Geley et al. 2001. J Cell Biol. 153(1):137-48. PMID: 11285280. ; Anaphase-promoting complex/cyclosome-dependent proteolysis of human cyclin A starts at the beginning of mitosis and is not subject to the spindle assembly checkpoint. ; Characterization of adriamycin-induced G2 arrest and its abrogation by caffeine in FL-amnion cells with or without p53. ; Minemoto et al. 2001. Exp Cell Res. 262(1):37-48. PMID: 11120603. ; Brandeis et al. 1998. Proc Natl Acad Sci U S A. 95(8):4344-9. PMID: 9539739. ; Cyclin B2-null mice develop normally and are fertile whereas cyclin B1-null mice die in utero.

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