Anti-IL12 [1-1A4]

Catalogue number: 151022
Sub-type: Primary antibody

Contributor

Inventor: Rosemonde Banks
Institute: University of Leeds

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:
**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 cytocidal 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