

Anti-IL21 [V28P5G1*C4]

Catalogue number: 153375

Sub-type: Primary antibody

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-IL21 [V28P5G1*C4]

Alternate name: IL 21 antibody, Interleukin 21 antibody, Interleukin21 antibody

Class: Monoclonal

Conjugate: Unconjugated

Description: IL21 is a member of the type I cytokine family, which includes IL2 and IL15. IL21 signals through the common gamma-chain and a unique IL21 receptor. The IL21 receptor is expressed in cells lymphoid-lineage and regulates the proliferation and differentiation of T and B lymphocytes. Studies suggest that IL21 is a key component of CD4 T cell help that is required for maintaining the CD8+ T cell responses and inducing B cell antibody response. IL21 also promotes the development of Th17 and Tfh cells, modulates the cytotoxic activity and survival of NK and CD8+ T cells, and suppresses the maturation of dendritic cells. It is also implicated in the development of autoimmune disease and has antitumor activity.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Salmon ; Rainbow Trout

Selectivity:

Host: Mouse

Immunogen: Ovalbumin-conjugated synthetic peptide- LLQKAISRLA

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Western Blot recombinant IL21; IHC - Formalin-fixed, paraffin-embedded fish head kidney and spleen

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Interleukin 21 (IL21)

Target alternate names:

Target background: IL21 is a member of the type I cytokine family, which includes IL2 and IL15. IL21 signals through the common gamma-chain and a unique IL21 receptor. The IL21 receptor is expressed in cells lymphoid-lineage and regulates the proliferation and differentiation of T and B lymphocytes. Studies suggest that IL21 is a key component of CD4 T cell help that is required for maintaining the CD8+ T cell responses and inducing B cell antibody response. IL21 also promotes the development of Th17 and Tfh cells, modulates the cytotoxic activity and survival of NK and CD8+ T cells, and suppresses the maturation of dendritic cells. It is also implicated in the development of autoimmune disease and has antitumor activity.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions:

Shipping at 4° C

Related tools

Related tools:

References

References: Marshall et al. 1995. J Cell Sci. 108 (Pt 3):1227-38. PMID: 7542669.; Alpha v beta 1 is a receptor for vitronectin and fibrinogen, and acts with alpha 5 beta 1 to mediate spreading on fibronectin.; Hannerz et al. 1991. Headache. 31(8):540-2. PMID: 1720429.; Orbital phlebography and signs of inflammation in episodic and chronic cluster headache.

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