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Datasheet for ABIN3031478
anti-IL-4 antibody (AA 122-150)

5 Images

Overview

Quantity:	0.4 mL
Target:	IL-4 (IL4)
Binding Specificity:	AA 122-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 122-150 from the human protein was used as the immunogen for this IL-4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Primate
Purification:	Antigen affinity purified

Target Details

Target:	IL-4 (IL4)
Alternative Name:	IL-4 (IL4 Products)
Background:	IL4 is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for

Target Details

interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome.

UniProt: [P05112](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Proton Transport](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Titration of the IL-4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

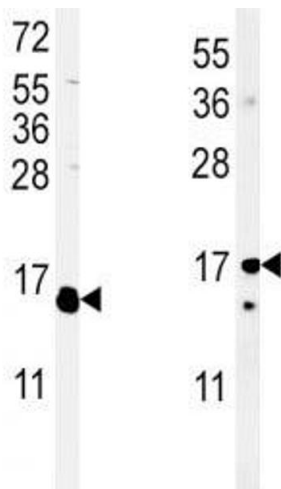
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

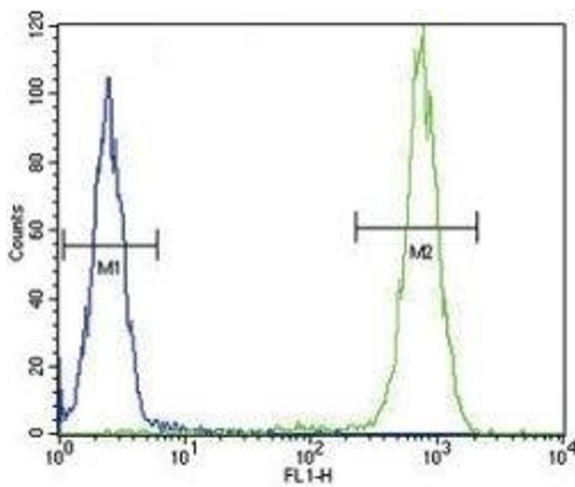
Storage: -20 °C

Storage Comment: Aliquot the IL-4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



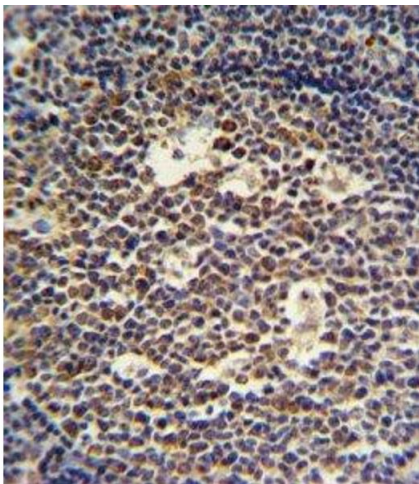
Western Blotting

Image 1. (Left) Western blot analysis of IL-4 antibody and WiDr lysate; (Right) Western blot analysis of IL-4 antibody and mouse cerebellum lysate



Flow Cytometry

Image 2. IL-4 antibody flow cytometric analysis of WiDr cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.-



Immunohistochemistry

Image 3. IL-4 antibody IHC analysis in formalin fixed and paraffin embedded tonsil

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031478.