

Datasheet for ABIN7156913
anti-IL-4 antibody (AA 25-153)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-4 (IL4)
Binding Specificity:	AA 25-153
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Interleukin-4 protein (25-153AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IL-4 (IL4)
Alternative Name:	IL4 (IL4 Products)
Background:	Background: Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC

Target Details

molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367], also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

Aliases: B cell growth factor 1 antibody, B cell IgG differentiation factor antibody, B Cell Stimulatory Factor 1 antibody, B-cell stimulatory factor 1 antibody, BCGF 1 antibody, BCGF1 antibody, Binetrakin antibody, BSF-1 antibody, BSF1 antibody, IGG1 induction factor antibody, IL 4 antibody, IL-4 antibody, IL4 antibody, IL4_HUMAN antibody, IL4e12 antibody, Interleukin 4 antibody, Interleukin 4 variant 2 antibody, Interleukin 4, isoform 1 antibody, Interleukin-4 antibody, Lymphocyte stimulatory factor 1 antibody, MGC79402 antibody, Pitrakinra antibody

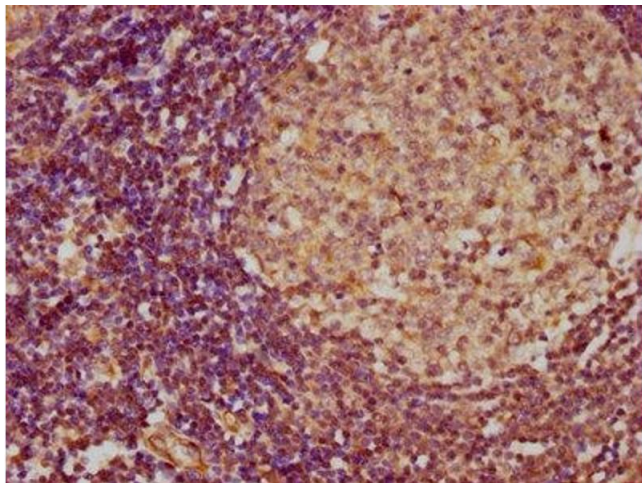
UniProt:	P05112
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport , Activated T Cell Proliferation

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7156913 diluted at 1:300 and staining in paraffin-embedded human lymph node tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.