

Mouse Anti-Rat Interleukin 4 (IL4) Monoclonal Antibody

Cat. No.: VD2N189

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic mouse monoclonal antibody is specific for rat interleukin 4. It is affinity purified by protein A and protein G . It can be applied to WB, IHC, ICC and IP assays of rat interleukin 4.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	A19N1
Host	Mouse
Target Species	Rat
Species Reactivity	Rat
Specificity	Rat Interleukin 4
Isotype	IgG2
Immunogen	Recombinant protein of rat interleukin 4
Purification	Purified by Protein A and Protein G
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Rat IL-4 is a cytokine produced by Th2 cells, mast cells, and eosinophils. It plays a key role in immune responses by promoting the differentiation of naive T cells into Th2 cells. IL-4 binds to the IL-4 receptor, activating the JAK-STAT signaling pathway. This cytokin

e stimulates B cell proliferation and antibody production, particularly IgE. It also enhances the expression of class II MHC molecules and adhesion molecules in macrophages, contributing to immune regulation and inflammatory responses.

Target	Rat Interleukin 4
Target Synonym	BSF1; BCGF1; B Cell Stimulatory Factor 1; Lymphocyte stimulatory factor 1; B Cell Growth Factor; Binetrakin; Pitrakinra
Gene ID	287287
UniProt ID	P20096

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.