

IL-4 / Interleukin 4 Antibody

Mouse Monoclonal Antibody [Clone IL4/1597]

Catalog No	Format	Size
3565-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3565-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3565-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

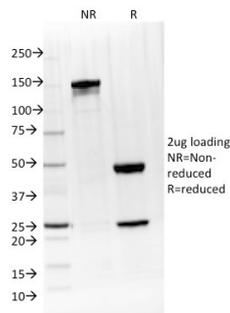
Applications	Tested Dillution	Note

Product Details

Clone	IL4/1597
Gene Name	IL4
Immunogen	Recombinant full-length human IL-4 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	18kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Spleen.

*Optimal dilution for a specific application should be determined.

Product Images for IL-4 / Interleukin 4 Antibody



SDS-PAGE Analysis of Purified IL-4 Mouse Monoclonal Antibody (IL4/1597).
Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

Interleukin-4 (IL-4), also designated B cell stimulatory factor-1, is a glycosylated cytokine secreted by activated T lymphocytes, basophils and mast cells. The secreted IL-4 protein promotes the growth and differentiation of cells that participate in immune defense by favoring such events as the expansion of the Th2 lineage relative to Th1 cells. These T helper cell subsets are defined by their pattern of cytokine secretion: Th1 cells secrete IL-2, TNF, while Th2 cells secrete IL-4, IL-5 and IL-10. Another key immunological function of IL-4 is to induce immunoglobulin class switching. IL-4 has been shown to induce the production of IgE and enhance IgG4 secretion by B cells, but suppress the production of IgM, IgA, IgG1, IgG2 and IgG3. It has been determined that Stat6 is rapidly tyrosine phosphorylated following stimulation of IL-3 or IL-4, but is not detectably phosphorylated following stimulation with IL-2, IL-12 or erythropoietin.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Cardiovascular, Cytokine Signaling, Hematopoietic Stem Cells, Immunology, Mast Cell Marker, Neuroinflammation