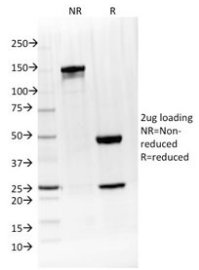
Interleukin 4 Antibody IL4/1597 / IL-4 Monoclonal Antibody [clone IL4/1597] (V7884)

Catalog No.	Formulation	Size
V7884-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7884-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7884SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	IL4/1597
Purity	Protein G affinity chromatography
UniProt	P07750
Applications	ELISA (order BSA-free format for coating)
Limitations	This Interleukin 4 Antibody IL4/1597 / IL-4 Monoclonal Antibody is available for research use only.



Interleukin 4 Antibody IL4/1597 Gel Run. SDS-PAGE analysis of purified, BSA-free Interleukin 4 antibody (clone IL4/1597) as confirmation of integrity and purity.

Description

Interleukin 4 Antibody IL4/1597 detects Interleukin-4 (IL-4), also designated B cell stimulatory factor-1, 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.

For an IL-4 antibody with Western blot, IHC and flow cytometry validation across human and mouse samples, see our Interleukin 4 Antibody / BSF-1 Antibody page.

Application Notes

Optimal dilution of the Interleukin 4 Antibody IL4/1597 / IL-4 Monoclonal Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human IL-4 protein was used as the immunogen for this Interleukin 4 Antibody IL4/1597.

Storage

Store the Interleukin 4 Antibody IL4/1597 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Copyright © NSJ Bioreagents. All rights reserved.