

IL4 Rabbit mAb

Catalog No: #49540

Package Size: #49540-1 50ul #49540-2 100ul

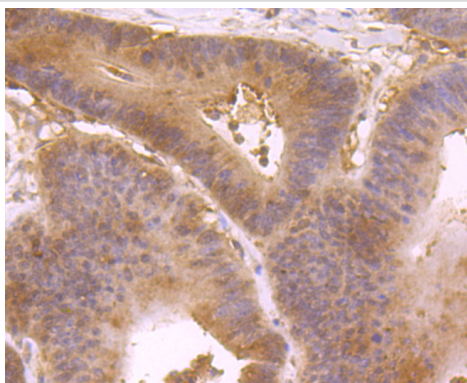
Description

Product Name	IL4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JA86-10
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	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 Pitracinra antibody
Accession No.	Swiss-Prot#:P05112
Calculated MW	14 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

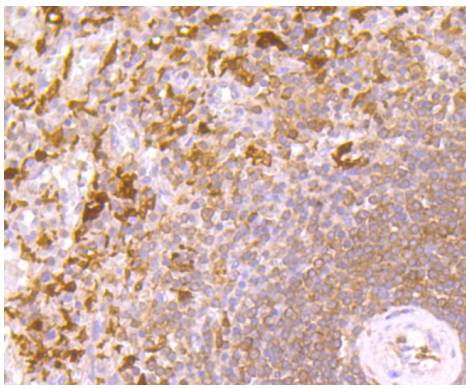
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200ICC: 1:50-1:200

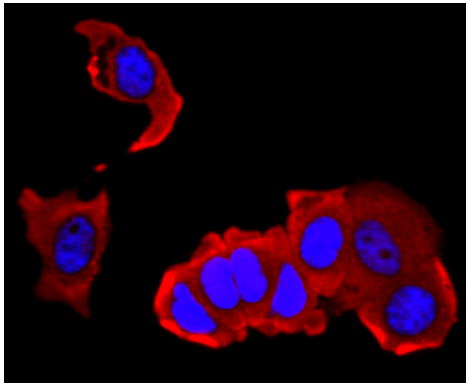
Images



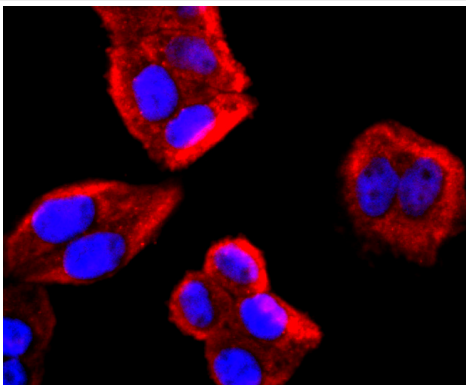
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-IL4 antibody. Counter stained with hematoxylin.



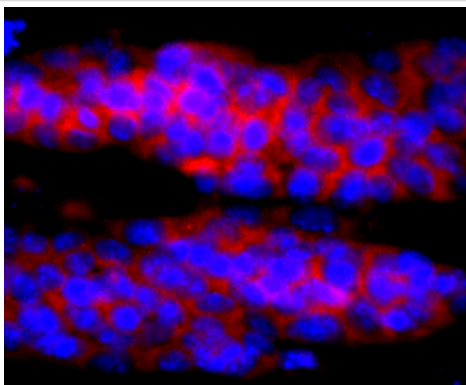
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-IL4 antibody. Counter stained with hematoxylin.



ICC staining IL4 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining IL4 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining IL4 in D3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

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 β and IFN- γ , 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.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.