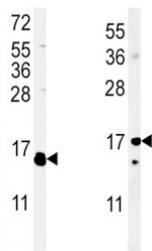


IL-4 Antibody (F49086)

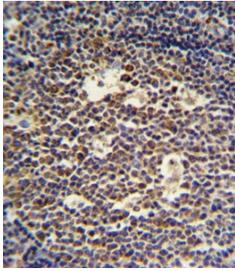
Catalog No.	Formulation	Size
F49086-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49086-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

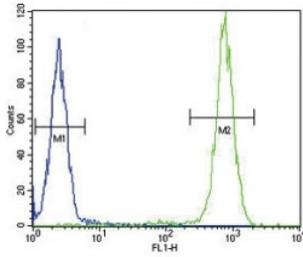
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Primate
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P05112
Localization	Secreted
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This IL-4 antibody is available for research use only.



(Left) Western blot analysis of IL-4 antibody and WiDr lysate; (Right) Western blot analysis of IL-4 antibody and mouse cerebellum lysate. Expected molecular weight: 14-20 kDa depending on glycosylation level.



IL-4 antibody IHC analysis in formalin fixed and paraffin embedded tonsil



IL-4 antibody flow cytometric analysis of WiDr cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.-

Description

IL4 is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome.

Application Notes

Titration of the IL-4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 122-150 from the human protein was used as the immunogen for this IL-4 antibody.

Storage

Aliquot the IL-4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.