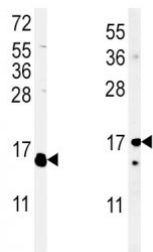


## IL-4 Antibody (F49086)

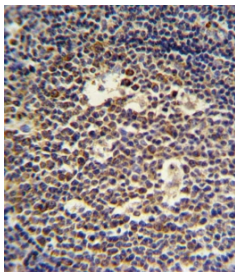
Catalog No.	Formulation	Size
F49086-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49086-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

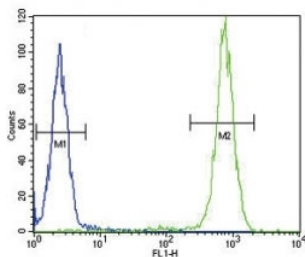
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Primate
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P05112
<b>Localization</b>	Secreted
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	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.