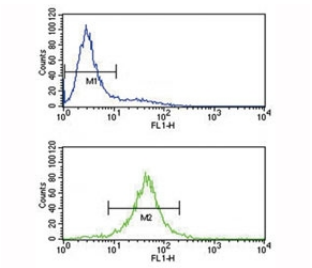
IL-10 Antibody (F51527)

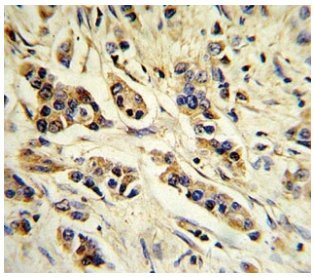
Catalog No.	Formulation	Size
F51527-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51527-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

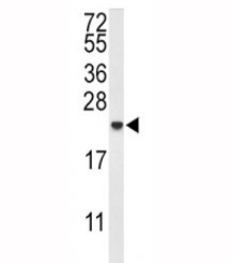
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Primate
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P22301
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This IL-10 antibody is available for research use only.



IL-10 antibody flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human breast carcinoma stained with IL-10 antibody



Western blot analysis of IL-10 antibody and MDA-MB435 lysate. Predicted molecular weight ~20 kDa.

Description

The protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

Application Notes

Titration of the IL-10 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 27-53 from the human protein was used as the immunogen for this IL-10 antibody.

Storage

Aliquot the IL-10 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.