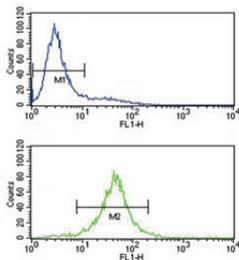


## IL-10 Antibody (F51527)

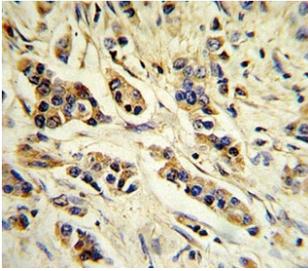
| Catalog No.   | Formulation                                | Size    |
|---------------|--|---------|
| F51527-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F51527-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

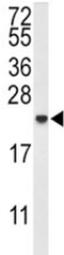
|                             |   |
|-----------------------------|---|
| <b>Availability</b>         | 1-3 business days   |
| <b>Species Reactivity</b>   | Human   |
| <b>Predicted Reactivity</b> | Primate   |
| <b>Format</b>               | Antigen affinity purified   |
| <b>Host</b>                 | Rabbit  |
| <b>Clonality</b>            | Polyclonal (rabbit origin)  |
| <b>Isotype</b>              | Rabbit Ig   |
| <b>Purity</b>               | Antigen affinity  |
| <b>UniProt</b>              | P22301  |
| <b>Applications</b>         | Western Blot : 1:1000<br>IHC (Paraffin) : 1:10-1:50<br>Flow Cytometry : 1:10-1:50 |
| <b>Limitations</b>          | 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.