SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-IL-10/FITC Conjugated antibody

Catalog Number: SL20373R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-IL-10/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human IL-10
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Background:	background: IL-10 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. **Function:** Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. **Subunit:** Homodimer. **Subcellular Location:** Secreted. **Tissue Specificity:** Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types. **Similarity :** Belongs to the IL-10 family.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 3586 Human **Entrez Gene:** 16153 Mouse **Entrez Gene:** 25325 Rat Omim: 124092 Human **SwissProt:** P22301 Human **SwissProt:** P18893 Mouse **SwissProt:** P29456 Rat **Unigene:** 193717 Human **Unigene:** 874 Mouse **Unigene:** 9868 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Interleukin-10 (IL-10) is a cell factor mainly produced by Th2 cells; activated B cells, mononuclear phagocytes, and Kupffer's cell etc. can also produce IL-10. It is a pleiotropic immunoregulatory factor characterized by inhibiting the synthesis of Th cell clone cell factor. Interleukin-10 is an important negative regulator maintaining the balance of the cell factor network. Its mechanism of action may be reducing MHC class II antigen expression on antigen-presenting cells, or inducing antigen-presenting cells to produce another cell factor, altering intracellular signaling pathways, thereby selectively inhibiting the transcription of certain cell factor mRNA, and it has synergistic effects with IL-4 and IL-5 produced by Th2 cells.