SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-IL-11/FITC Conjugated antibody

Catalog Number: SL1827R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-IL-11/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human IL-11
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:	IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,GuineaPig)
Background:	background: Interleukin 11 is a pleiotropic cytokine produced by mesenchymal-derived adherent cells. IL11 shares many functions of IL6 and LIF, including potentiation of megakaryocyte activity, enhancement of human myeloma cell proliferation, and enhancement of hepatic acute phase protein production. Interleukin 11 directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells, and induces megakaryocyte maturation resulting in increased platelet production. Clinically it is used to prevent severe thrombocytopenia and the reduction of the need for platelet transfusion following myelosuppressive chemotherapy. **Function:** Directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. **Subcellular Location:** Secreted. **Similarity:** Belongs to the IL-6 superfamily. **Database links:**

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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	Entrez Gene: 3589 Human Omim: 147681 Human **SwissProt:** P20809 Human **Unigene:** 467304 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Interleukin 11， It is a pleiotropic cell factor. Many cells can synthesize IL11, such as: endothelial cells, fibroblasts, chondrocytes, synoviocytes, osteoblasts, epithelial cells, neurons, thymus, etc. In normal serum, IL11 expression is very low or below the detection level. Its functions on the hematopoietic system include: proliferation and development of stem cells, megakaryocytes, marrow cells, erythrocytes, and B lymphocytes. It also has pleiotropic effects outside the hematopoietic system, some of which are stimulatory and promote proliferation, while others are inhibitory. The IL-11 precursor in humans, rats, and mice has 199 amino acids. The mature form has 178 amino acids.