

Product datasheet for **TA355013**

IL11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1-2µg/mL. IHC: 10µg/ml.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IL-11 antibody was raised against a 16 amino acid peptide from near the amino terminus of human IL-11. The immunogen is located within amino acids 40 - 90 of IL-11.
Formulation:	IL-11 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	IL-11 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 20 kDa; Observed: 19 kDa
Gene Name:	interleukin 11
Database Link:	NP_000632 Entrez Gene 3589 Human P20809

Background: Interleukin 11 is a pleiotropic cytokine that has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-6 (1). It directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (2). IL-11 promotes the proliferation of hepatocytes in response to liver damage. IL-11 binds to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 (3). Clinically it is used to prevent severe thrombocytopenia and the reduction of the need for platelet transfusion following myelo-suppressive chemotherapy (4).

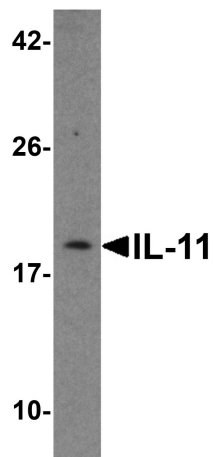


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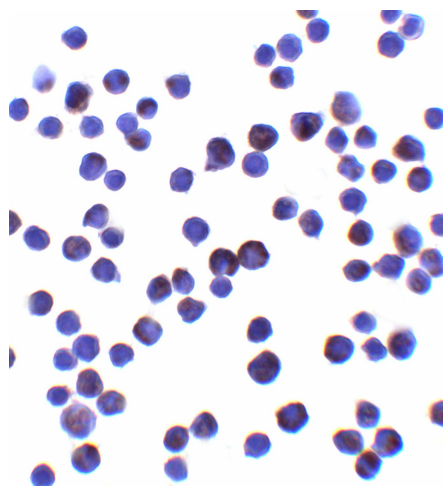
Synonyms: AGIF; IL-11; oprelvekin

Note: IL-11 antibody can be used for the detection of IL-11 by Western blot at 1 - 2 $\mu\text{g}/\text{mL}$. Antibody can also be used for immunocytochemistry at 10 $\mu\text{g}/\text{mL}$.

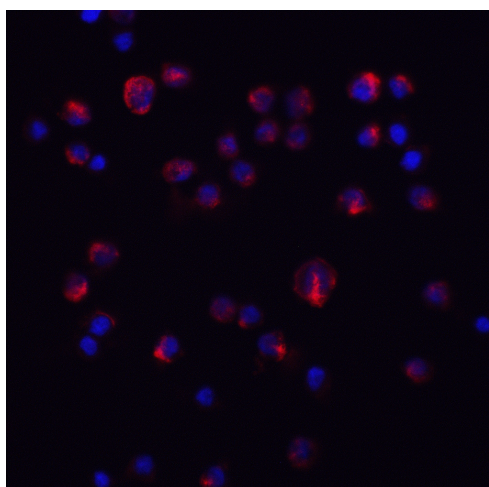
Product images:



Western blot analysis of IL-11 in HeLa Cell lysate with IL-11 antibody at 1ug/ml.



Immunofluorescence of IL-11 in HeLa cells with IL-11 antibody at 20ug/ml.



Immunocytochemistry of IL-11 in HeLa cells with IL-11 antibody at 10ug/ml.