

## Product datasheet for **AM01361PU-N**

### IL11 Mouse Monoclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<b>Neutralisation:</b> To yield one-half maximal inhibition [ND50] of the biological activity of hIL-11 (5.0 ng/ml), a concentration of 2.4-3.6 µg/ml is required. <b>Sandwich ELISA:</b> In a Sandwich ELISA (assuming 100 µl/well), a concentration of 8-9 µg/ml will detect at least 0.2 ng/well of recombinant Human IL-11 when used with Biotin anti-Human IL-11 antibody (Cat.No PP1033B) as the detection antibody at a concentration of at least 2 µg/ml. <b>Western Blot:</b> To detect Human IL-11 by Western Blot analysis this antibody can be used at a concentration of 1.0-2.0 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human IL-11 is 0.25-0.50 ng/lane, under non-reducing conditions.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly pure (>98%) <i>E.coli</i> derived recombinant Human IL-11
Specificity:	This antibody detects Human Interleukin-11. Other species not tested.
Formulation:	PBS without preservatives State: Azide Free State: Lyophilized (sterile filtered) purified IgG fraction
Reconstitution Method:	Restore in sterile water to a concentration of 1.0 mg/ml.
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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**Storage:** Store lyophilized at 2-8°C for 6 months or at -20°C long term.  
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.  
Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

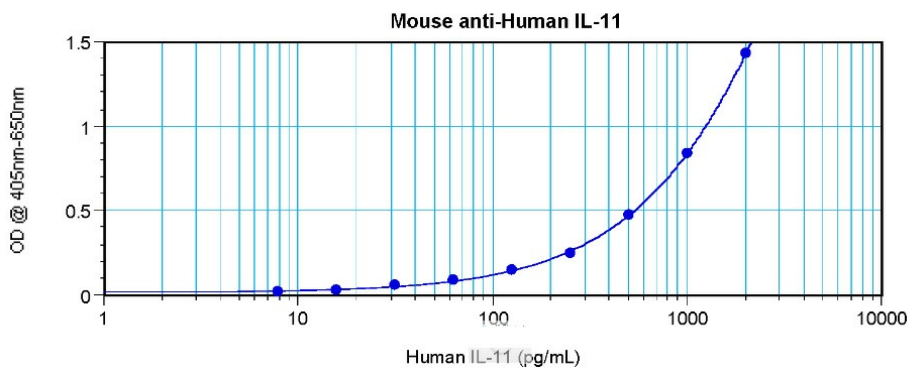
**Gene Name:** interleukin 11

**Database Link:** [Entrez Gene 3589 Human P20809](#)

**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.

**Synonyms:** IL-11, Adipogenesis inhibitory factor, AGIF

## Product images:



Sandwich ELISA using Interleukin-11 / IL11 Antibody