BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-IL-11 Antibody

Catalog Number: A01160-2

About IL-11

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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Overview

Product Name	Anti-IL-11 Antibody
Reactive Species	Human
Description	Boster Bio Anti-IL-11 Antibody (Catalog # A01160-2). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	IL-11 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	IL-11 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P20809

Technical Details

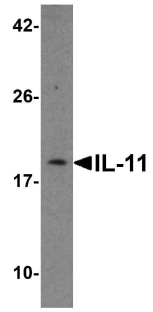
Immunogen	IL-11 antibody was raised against a 16 amino acid peptide from near the amino terminus of human IL-11. The immunogen is located within amino acids 40 - 90 of IL-11.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	IL-11 antibody is human specific. At least two isoforms of IL-11 are known to exist; this antibody will only detect the longest isoform of IL-11.

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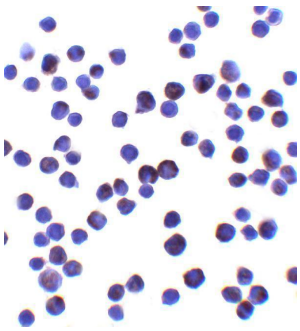
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IL-11 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IL-11 antibody can be used for the detection of IL-11 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry at 10 ug/ml. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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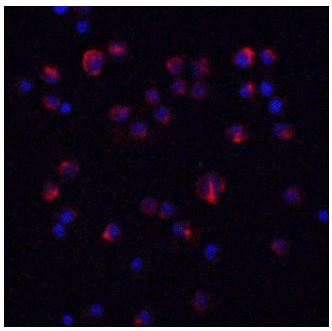
Anti-IL-11 Antibody (A01160-2) Images



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



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



Immunofluorescence of IL-11 in HeLa cells with IL-11 antibody at 20 ug/ml.Red: IL-11 Antibody (A01160-2) Blue: DAPI staining

For Research Use Only. Not for use in diagnostic procedures.