

ARG56718 anti-IL11 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL11
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL11
Species	Human
Immunogen	E.coli derived Recombinant Human IL-11. (MPGPPPGPPR VSPDPRAELD STVLLTRSL ADTRQLAAQL RDKFPADGDH NLDLPTLAM SAGALGALQL PGVLRRLRAD LLSYLRHVQW LRRAGGSSLK TLEPELGTQ ARLDRLRLRL QLLMSRLALP QPPDPPAPP LAPPSSAWGG IRAAHAILGG LHLTDWAVR GLLLLKTRL)
Conjugation	Un-conjugated
Alternate Names	Oprelvekin; Interleukin-11; AGIF; Adipogenesis inhibitory factor; IL-11

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56827 as a detection antibody
	IHC-P	2.5 µg/ml
	Neut	0.02 - 0.05 µg/ml (To yield [ND50] of the biological activity of hIL - 11 (1.50 ng/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

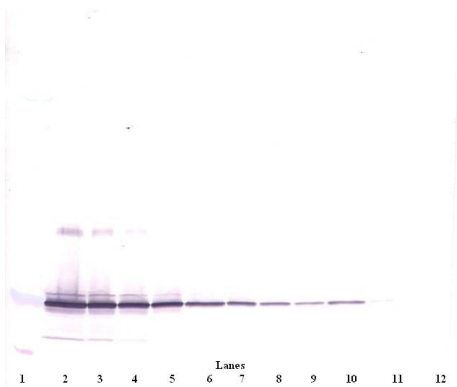
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

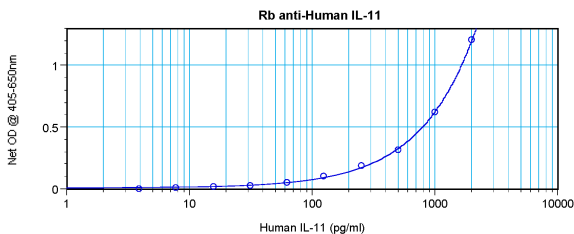
Database links	GeneID: 3589 Human Swiss-port # P20809 Human
Gene Symbol	IL11
Gene Full Name	interleukin 11
Background	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2012]
Function	Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation. Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3. [UniProt]
Calculated Mw	21 kDa

Images



ARG56718 anti-IL11 antibody WB image

Western blot: 250 - 0.24 ng of Human IL-11 stained with ARG56718 anti-IL11 antibody, under non-reducing conditions.



ARG56718 anti-IL11 antibody standard curve image

Sandwich ELISA: ARG56718 anti-IL11 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56827 anti-IL11 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.