

ARG56635 anti-IL12 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IL12
Tested Reactivity	Hu
Tested Application	ELISA, Neut, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IL12
Species	Human
Immunogen	CHO cells derived Recombinant Human IL-12. (p35 Subunit: RNL PVA TPDG MFPCL HHSQNLLRAV SNMLQKARQT LEFYPCTSEE IDHEDITKDK TSTVEACLPL ELTKNESCLN SRETSFITNG SCLASRKTSF MMALCLSSIY EDLKMVQVEF KTMNAKLLMD PKRQIFLDQN MLAVIDELMQ ALNFNSETVP QKSSLEEPDF YKTKIKLCIL LHAFRIRAVT IDRVMSYLN A S p40 Subunit: IWELKK DVYVVELDWY PDAPGEMVVL TCDTPEEDGI TWTL DQSSEV LGSGKTLTIQ VKEFGDAGQY TCHKGGGEVLS HSLLLHKKE DGIWSTDILK DQKEPKNTF LRCEAKNYSR RFTCWWLTTI STDLTFSVKS SRGSSDPQGV TCGAATLSAE RVRGDNKEYE YSVEQEDSA CPAAEESLPI EVMVDAVHKL KYENYTSSFF IRDIIKPDPP KNLQLKPLKN SRQVEVSW EY PDTWSTPHSY FSLTFCVQVQ GKSKREKKDR VFTDKTSATV ICRKNASISV RAQDRYYSSS WSEWASVPCS)
Conjugation	Un-conjugated
Alternate Names	CLMF; Cytotoxic lymphocyte maturation factor 35 kDa subunit; NFSK; NK cell stimulatory factor chain 1; CLMF p35; NKSF1; IL-12 subunit p35; IL-12A; Interleukin-12 subunit alpha; P35

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56745 as a detection antibody
	Neut	0.012 - 0.02 µg/ml (To yield [ND50] of the biological activity of hIL - 12 (0.3 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

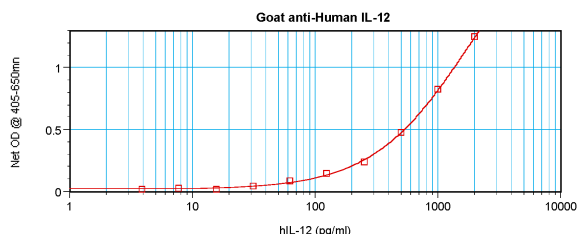
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml

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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3592 Human Swiss-port # P29459 Human
Gene Symbol	IL12A
Gene Full Name	interleukin 12A
Background	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq, Jul 2008]
Function	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC. [UniProt]
Calculated Mw	25 kDa

Images



ARG56635 anti-IL12 antibody standard curve image

Sandwich ELISA: ARG56635 anti-IL12 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56745 anti-IL12 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.