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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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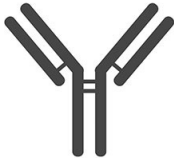
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Product Number	ARP54330_P050-Biotin
Product Page	www.avivasysbio.com/il4-antibody-middle-region-biotin-arp54330-p050-biotin.html
Name	IL4 Antibody - middle region : Biotin (ARP54330_P050-Biotin)
Protein Size (# AA)	153 amino acids
Molecular Weight	15kDa
Conjugation	Biotin
NCBI Gene Id	3565
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Interleukin 4
Alias Symbols	BSF1, IL-4, BCGF1, BSF-1, BCGF-1
Peptide Sequence	Synthetic peptide located within the following region: LIRFLKRLDRNLWGLAGLNSCPVKEANQSTLENFLERLKTIMREKYSKCS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Pachkoria,K., (2008) J. Hepatol. 49 (1), 107-114
Description of Target	IL4 participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Protein Interactions	IL13; IL4; PIK3CD; IL2RG; IL13RA2; CD53; IL4R; A2M;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-IL4 (ARP54330_P050-Biotin) antibody
Blocking Peptide	For anti-IL4 (ARP54330_P050-Biotin) antibody is Catalog # AAP54330 (Previous Catalog # AAP31078)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IL4
Uniprot ID	P05112
Protein Name	Interleukin-4
Protein Accession #	NP_000580
Purification	Affinity Purified
Nucleotide Accession #	NM_000589
Gene Symbol	IL4
Predicted Species Reactivity	Human
Application	WB

Predicted Homology Based on Immunogen Sequence	Human: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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