

## ARG21463 anti-IL4 antibody [BVD4-1D11]

Package: 250 µg  
Store at: -20°C

### Summary

Product Description	Rat Monoclonal antibody [BVD4-1D11 ] recognizes IL4
Tested Reactivity	Ms
Tested Application	ELISA, ELISPOT, FACS, ICC/IF, IHC-Fr, IHC-P, IP, Neut, WB
Specificity	Mouse IL-4.
Host	Rat
Clonality	Monoclonal
Clone	BVD4-1D11
Isotype	IgG2b, kappa
Target Name	IL4
Species	Mouse
Immunogen	E. coli-expressed mouse IL-4
Conjugation	Un-conjugated
Alternate Names	BSF-1; IL-4; B-cell stimulatory factor 1; BCGF1; Lymphocyte stimulatory factor 1; BCGF-1; Interleukin-4; Pitrakinra; Binetrakin; BSF1

### Application Instructions

Application table	Application	Dilution
	ELISA	< 1 µg/ml
	ELISPOT	Assay-dependent
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	1:50-1:100
	IHC-P	1:10-1:25
	IP	Assay-dependent
	Neut	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

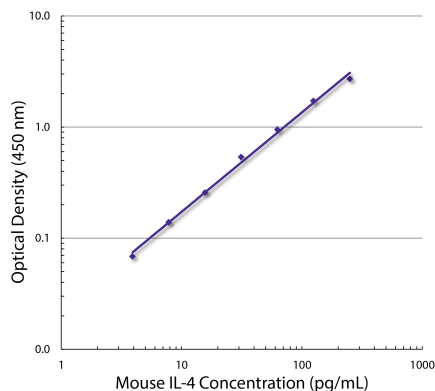
Form	Liquid
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Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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	<a href="#">GeneID: 16189 Mouse</a> <a href="#">Swiss-port # P07750 Mouse</a>
Gene Symbol	IL4
Gene Full Name	interleukin 4
Background	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. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	17 kDa

## Images



ARG21463 anti-IL4 antibody [BVD4-1D11] standard curve image

ELISA: Mouse IL-4 detected by [ARG21463](#) anti-IL4 antibody [BVD4-1D11] as capture antibody ([ARG21464](#): Azide free version), and [ARG21466](#) anti-IL4 antibody [BVD6-24G2] (Biotin) as detection antibody, follow by incubation with streptavidin-HRP.