

Mouse IL-4 Monoclonal Antibody | anti-IL4 antibody

MOUSE ANTI BOVINE INTERLEUKIN-4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49367	Mouse	Goat, SheepN.B. Antibody reactivity and working conditions may vary between species.	ELISA

PRODUCT SYNONYMS

IL-4; Monoclonal Antibody; MOUSE ANTI BOVINE INTERLEUKIN-4; anti-IL4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Goat, Sheep N.B. Antibody reactivity and working conditions may vary between species.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CC313
Specificity	IL-4
Form/Format	Purified IgG - liquid, Phosphate buffered saline
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Applicable Applications for anti-IL4 antibody	ELISA
Preservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Immunogen	Recombinant bovine IL-4
Carrier Free	Yes
Target Species	Bovine
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the SP2/O myeloma cell line.
Preparation and Storage	Store at 4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-IL4 antibody	Mouse anti Bovine interleukin-4, clone CC313 is specific for bovine interleukin 4 (IL-4), also known as B-cell stimulatory factor 1. Bovine interleukin-4 is a 15kDa, 135 amino acid peptide which is processed to a mature secreted form with the cleavage of a 24 amino acid, N-terminal signal peptide resulting in a 12.6kDa active cytokine, the apparent Mw may be altered by glycosylation (Heussler et al. 1992). IL-4 is expressed by a range of cells including T and B cells, macrophages and monocytes. It plays an important role in the regulation of bovine T and B cell responses. Mouse anti Bovine interleukin-4, clone CC313 has been used successfully as a coating antibody in a sandwich ELISA with Clone CC314 as a detection reagent both with bovine (Stabel et al. 2011) and ovine samples (Olivier et al. 2012). Clones CC313 and CC314 have been used in the reverse configuration for the measurement of interleukin-4 in caprine samples (Marinaro et al. 2012).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806871
NCBI GeneID	280824
NCBI Accession #	NP_776346.1
NCBI GenBank Nucleotide #	NM_173921.2
UniProt Accession #	P30367; A9QWQ7
NCBI Official Full Name	interleukin-4
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	IL-4; BSF-1
NCBI Protein Information	interleukin-4; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1
UniProt Entry Name	IL4_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.