



Anti-IL4 monoclonal antibody, clone CC313 (CABT-48498MB)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

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. 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 and ovine samples. Clones CC313 and CC314 have been used in the reverse configuration for the measurement of interleukin-4 in caprine samples. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. ELISA This reagent may be used as a capture antibody in sandwich ELISA assays for bovine IL-4 in combination with MCA2372B as a detection reagent, and recombinant bovine IL-4 (PBP006) as a standard.

Specificity	IL4
Immunogen	Recombinant bovine IL-4.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Bovine, Goat, Sheep
Clone	CC313
Conjugate	Unconjugated
Applications	ELISA

Format	Purified IgG - liquid
Size	500 µg
Preservative	See individual product datasheet
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.

GENE INFORMATION

Gene Name	IL4 interleukin 4 [Bos taurus (cattle)]
Official Symbol	IL4
Synonyms	IL4; IL-4; BSF-1; interleukin-4; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1;
Entrez Gene ID	280824
Protein Refseq	NP_776346.1
UniProt ID	P30367
Chromosome Location	7q15-q21
Pathway	Allograft rejection; Asthma; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Fc epsilon RI signaling pathway; Hematopoietic cell lineage;
Function	cytokine activity; growth factor activity; interleukin-4 receptor binding;