

## Product datasheet for **SM2241P**

### IL4 Mouse Monoclonal Antibody [Clone ID: CC313]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CC313
Applications:	ELISA, FC
Recommended Dilution:	<b>Flow Cytometry.</b> <b>ELISA:</b> 2-5 µg/ml. This reagent may be used as a capture antibody in ELISA assays for Bovine IL-4 in combination with SM2242B as a detection reagent, and recombinant Bovine IL-4 (SA1007) as a standard.
Reactivity:	Bovine, Goat, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Bovine IL-4. Spleen cells from immunised BALB/c mice were fused with cells of the SP2/O myeloma cell line.
Specificity:	This antibody is specific for Interleukin 4 (IL-4). This Mouse anti Bovine interleukin-4, clone CC313 is specific for Bovine Interleukin 4 (IL-4), also known as B-cell stimulatory factor 1. 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 (Marinero et al. 2012).
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<a href="#">Entrez Gene 280824 Bovine P30367</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	IL-4, BSF1, Lymphocyte stimulatory factor 1, Binetrakin, Pitrakinra