

Product datasheet for **AM03219LE-N**

IL12B Mouse Monoclonal Antibody [Clone ID: CC301]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CC301
Applications:	ELISA, Elispot, FC, FN, WB
Recommended Dilution:	ELISA: 8 µg/ml. This antibody may be used as a capture antibody in a Sandwich ELISA in combination with Biotinylated clone CC326 (Cat.-No AM05876BT-N) as detection reagent (<i>See Bannerman, D.D.et al.</i>) ELISpot. Western Blot: 1/50-1/100. Flow Cytometry: Use 10 µl of 1/10 diluted antibody to label 10 ⁶ cells in 100 µl. Membrane permeabilisation is required. Functional Assays: 1/100.
Reactivity:	Bovine, Human, Sheep
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Bovine IL-12. Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity:	This antibody recognises the p40 subunit of Bovine Interleukin-12, and binds to both the free subunit and the intact heterodimer. Negative Species: Mouse.
Formulation:	PBS State: Low Endotoxin State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G



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Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Entrez Gene 281857 Bovine P46282
Background:	Interleukin 12 (IL12) can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine activated killer cells, and stimulate the production of IFN gamma by resting PBMC. IL12 induces IFN gamma, TNF alpha production in T and NK cells; costimulation of PBL proliferation; proliferation/differentiation of TH1 T lymphocytes. It is downregulated by IL10; homodimeric p40 antagonistic to functional p70 heterodimer. IL12R beta 1 binds p40 but when dimeric with IL12R beta 2 binds p35.
Synonyms:	Interleukin-12B, IL-12B, IL-12 subunit p40, CLMF p40, NKSF2