

## Product datasheet for **AM05876AF-N**

### IL12B Mouse Monoclonal Antibody [Clone ID: CC326]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CC326
Applications:	ELISA, FC, FN
Recommended Dilution:	<b>ELISA:</b> 1/100-1/1000. <b>Flow Cytometry:</b> Use 10 µl of 1/1000 diluted antibody to label 10e6 cells of 100 µl. Membrane permeabilisation is required. <b>Functional assays:</b> 1/100.
Reactivity:	Bovine, Human, Sheep
Host:	Mouse
Isotype:	IgG2b
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 recognizes Interleukin-12. It has been shown to block the biological activity of IL-12.
Formulation:	PBS, pH 7.4 State: Azide Free State: Liquid purified Ig fraction from Tissue Culture Supernatant Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**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