



Anti-IFNG monoclonal antibody, clone CC302 (CABT-51771MB)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Bovine IFN γ antibody, clone CC302, recognizes bovine interferon-gamma, a 143 amino acid cytokine with potent activating, antiviral and anti proliferative properties, produced as a pro-peptide with an additional 23 amino acid N-terminal signal peptide sequence having a molecular weight of ~20kDa. IFN γ is predominantly secreted by activated T lymphocytes in response to specific mitogens as a result of infection. Mouse anti bovine γ interferon antibody, clone CC302 has been demonstrated to be reactive to a number of mammalian species including human, sheep, dog, pig, goat and mink. Clone CC302 has been successfully used for the evaluation of γ interferon levels in the sera of calves naturally infected with *M. avium* subsp paratuberculosis as a detection reagent using ELISA. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul. ELISA Biotinylated mouse anti bovine IFN γ , clone CC302, may be used as the detection reagent in a sandwich ELISA with purified mouse anti bovine IFN γ , clone CC330, as the capture reagent and recombinant bovine IFN γ as the standard.

Specificity	IFN GAMMA
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Bovine, Dog, Dolphin, Ferret, Fin Whale, Goat, Horse, Human, Mink, Mustelid, Pig, Sheep
Clone	CC302
Conjugate	Unconjugated
Applications	ELISA; FC
Format	Purified IgG - liquid

Size	500 µg
Preservative	See individual product datasheet
Storage	in frost free freezers is not recommended. 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	IFNG interferon, gamma [Bos taurus (cattle)]
Official Symbol	IFNG
Synonyms	IFNG; interferon gamma; boIFNG; IFN-gamma; interferon-gamma; interferon gamma type 2; IFN GAMMA;
Entrez Gene ID	281237
Protein Refseq	NP_776511
UniProt ID	P07353
Chromosome Location	5q22-q24
Pathway	African trypanosomiasis; Allograft rejection; Amoebiasis; Antigen processing and presentation; Chagas disease (American trypanosomiasis); Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta);
Function	cytokine activity; interferon-gamma receptor binding;