



# Anti-IFNG monoclonal antibody, clone CC302 [FITC] (CABT-51770MB)

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

## PRODUCT INFORMATION

### Product Overview

Mouse anti Bovine IFN $\gamma$  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 $\gamma$  is predominantly secreted by activated T lymphocytes in response to specific mitogens as a result of infection. Mouse anti bovine  $\gamma$  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  $\gamma$  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 1x10<sup>6</sup> cells in 100ul.

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	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 $\mu$ g
Preservative	See individual product datasheet

**Storage**

in frost free freezers is not recommended. This product is photosensitive and should be protected from light. 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	<a href="#">IFNG interferon. gamma [ Bos taurus (cattle) ]</a>
Official Symbol	IFNG
Synonyms	IFNG; interferon gamma; boIFNG; IFN-gamma; interferon-gamma; interferon gamma type 2; IFN GAMMA;
Entrez Gene ID	<a href="#">281237</a>
Protein Refseq	<a href="#">NP_776511</a>
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;