

Mouse anti-Sheep IFN GAMMA Monoclonal Antibody | anti-IFNG antibody

MOUSE ANTI BOVINE INTERFERON GAMMA

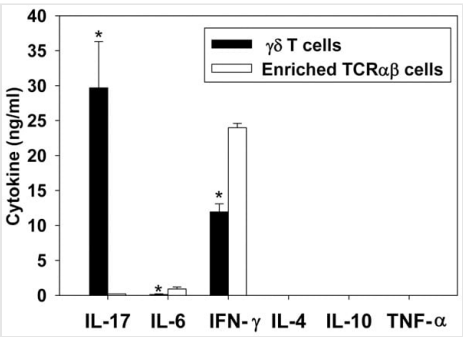
CATALOG # AAA49632	HOST Mouse	REACTIVITY Sheep	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, ELISA
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PRODUCT SYNONYMS

IFN GAMMA; Monoclonal Antibody; MOUSE ANTI BOVINE INTERFERON GAMMA; anti-IFNG antibody

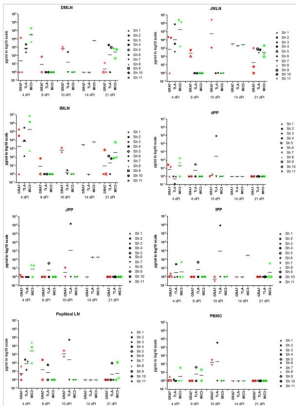
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Sheep
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CC330
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	166
Applicable Applications for anti-IFNG antibody	FCM/FACS (Flow Cytometry), ELISpot, ELISA
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Recombinant bovine IFN-gamma Buffer Solution
Target Species	Bovine
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. 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. Shelf Life: 18 months from date of despatch.



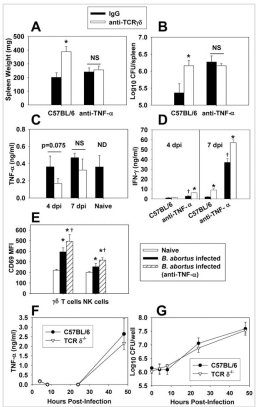
Application Data

Published customer image: gamma delta T cells are the primary source of IL-17 during B. abortus infection. C57BL/6 mice were infected i.p. with 5x10⁴ CFUs of B. abortus 2308, and two weeks later gamma delta T cells (>95% purity) and an enriched TCRαβ (~55% CD4+, 25% CD8+) cell fraction were isolated from the spleens of infected mice. Cells were stimulated with 500 ng/ml ionomycin and 50 ng/ml PMA for three days, and cell-free supernatants from triplicate wells were assayed for cytokine production via ELISA. The mean +/- SD is shown; * P



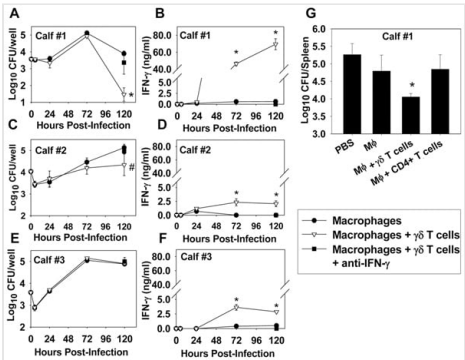
Application Data

Published customer image: IFN-gamma response (log10 scale) in mesenteric lymph nodes, Peyer's Patches, popliteal LN and PBMC against GRA7, TLA and MIC3 in function of time. From: Verhelst D, De Craeye S, Entrican G, Dorny P, Cox E. Parasite distribution and associated immune response during the acute phase of Toxoplasma gondii infection in sheep. BMC Vet Res. 2014 Dec 16;10(1):293.



Application Data

Published customer image: gamma delta T cells require TNF-alpha to protect against B. abortus infection. C57BL/6 mice treated with anti-TCR gamma delta mAb or hamster IgG on day -1 and day 3 post-infection with 5x10⁴ CFUs of B. abortus 2308. Some mice were also neutralized of their TNF-alpha on days -1 and 3. Seven days after infection, A. splenic weights and B. extent of brucellae colonization were determined. The mean +/- SEM of 10 mice/group is depicted; *P



Application Data

Published customer image: Bovine gamma delta T cells impair B. abortus replication in autologous macrophages via IFN- gamma . A. -F. Bovine macrophages were infected with B. abortus (30 bacteria:1 macrophage) and then fresh media or media containing autologous gamma delta T cells were added to infected macrophages. A., C., E. Macrophage colonization (triplicate wells/treatment) was monitored over time. *P

ADDITIONAL INFORMATION

Related Product Information for anti-IFNG antibody

Mouse anti Bovine interferon gamma antibody, clone CC330 recognizes bovine interferon gamma, a 143 amino acid ~20kDa immunomodulatory cytokine secreted predominantly by T lymphocytes in response to infection by invading miro-organisms. It enhances cytotoxic activities of many cell types including macrophages, NK cells and T lymphocytes (Weiss et al. 2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982949
NCBI GeneID	281237
NCBI Accession #	NP_776511.1
NCBI GenBank Nucleotide #	NM_174086.1
UniProt Accession #	P07353; A7L687; A9QWQ4
Molecular Weight	19,393 Da

NCBI Official Full Name	interferon gamma
NCBI Official Synonym Full Names	interferon, gamma
NCBI Official Symbol	IFNG
NCBI Protein Information	interferon gamma; IFN-gamma; boIFNG; interferon gamma type 2; interferon-gamma
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	BoIFNG; IFN-gamma
UniProt Entry Name	IFNG_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/ifn-gamma-antibody-clone-cc330-flow-cytometry-elisa/49632>