Datasheet: MCA2334

Description: MOUSE ANTI BOVINE TNF ALPHA

Specificity: TNF ALPHA

Format: Purified

Product Type: Monoclonal Antibody

Clone: CC327

Isotype: IgG2b

Quantity: 0.5 mg

Product Details

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.

Target Species: Bovine

Species Cross Reactivity: Reacts with: Fallow deer

N.B. Antibody reactivity and working conditions may vary between species.

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Recombinant bovine TNF alpha.
External Database

UniProt: Q06599

Links

Entrez Gene: 280943 TNF

Related reagents

Synonyms TNFA, TNFSF2

Specificity

Mouse anti Bovine TNF alpha antibody, clone CC327 recognizes bovine TNF alpha, a 17.5 kDa cytokine, expressed by many different stimulated cell types including monocytes, macrophages, endothelial cells, fibroblasts and both T and B-lymphocytes.

The production of TNF alpha is induced by a variety of factors, dependant upon cell type and includes bacterial toxins, IL-1, PDGF, IFN-beta, NGF, Oncostatin M and viral infections. The presence of TNF alpha is responsible for diverse immunomodulatory, anti-tumour and toxic effects and under certain conditions is also capable of self-stimulation and inhibition.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

ELISA

This reagent may be used as a capture antibody in a sandwich ELISA for bovine TNF alpha in combination with MCA2335B as detection reagent. PBP005 may be used as a standard.

References


**Storage**

Store at +4°C or at -20°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.

**Health And Safety Information**

Material Safety Datasheet documentation available at:


**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG (STAR76...)
Goat Anti Mouse IgG IgA IgM (STAR87...)
Goat Anti Mouse IgG (H/L) (STAR117...)
Rabbit Anti Mouse IgG (STAR9...)
Goat Anti Mouse IgG (STAR77...)
Rabbit Anti Mouse IgG (STAR12...)
Goat Anti Mouse IgG (Fc) (STAR120...)
Rabbit Anti Mouse IgG (STAR8...)
Goat Anti Mouse IgG (STAR70...)
Human Anti Mouse IgG2b (HCA038...)
Rabbit Anti Mouse IgG (STAR13...)

RPE, Alk. Phos., Aik. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

**Recommended Negative Controls**

MOUSE IgG2b NEGATIVE CONTROL (MCA691)