Datasheet: MCA2456BT

Description: RAT ANTI MOUSE CD88:Biotin

Specificity: CD88

Other names: C5aR

Format: Biotin

Product Type: Monoclonal Antibody

Clone: 10/92

Isotype: IgG2a

Quantity: 25 µg

Product Details

Applications

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.

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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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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. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species: Mouse

Product Form: Purified IgG conjugated to Biotin - liquid

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

Buffer Solution: Phosphate buffered saline

Preservative: 0.09% Sodium Azide
Stabilisers: 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Immunogen: RBL-2H3 transfected cells expressing murine C5aR

External Database Links

UniProt: P30993  C5AR_MOUSE  Related reagents

Entrez Gene: 12273  C5ar1  Related reagents

Synonyms: C5ar, C5r1

Fusion Partners: Cells from immunised Lou/c rats were fused with cells of the X63-Ag8.653 myeloma cell line.

Specificity: MCA2456B recognises murine CD88, a 45kD G-protein coupled cell surface receptor, which is otherwise known as C5aR. The CD88 molecule functions as a receptor for the complement component C5a, which is a potent
proinflammatory molecule and a chemoattractant for neutrophils to sites of infection. In mouse, CD88 is expressed on granulocytes, monocytes and macrophages but not on resting or stimulated lymphocytes.

Clone 10/92 does not block the binding of the C5a to murine CD88.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B/C). Method sheets are available on request.

**References**


**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. 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**


**Related Products**

**Recommended Secondary Antibodies**

STREPTAVIDIN (STAR119...) APC
STREPTAVIDIN (STAR3...) TRITC
STREPTAVIDIN (STAR8...) AIk. Phos.
STREPTAVIDIN (STAR152...) DyLight®800
STREPTAVIDIN (STAR5...) HRP
STREPTAVIDIN (STAR2...) FITC
STREPTAVIDIN (STAR4...) RPE, RPE

**Other formats and applications**

This reagent is also available in a ALEXA FLUOR® 488, ALEXA FLUOR® 647, Purified, RPE format and is useful for Immunohistology - Frozen.

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For research purposes only, unless otherwise specified in writing by AbD Serotec.

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