Datasheet: MCA914

Description: MOUSE ANTI HUMAN CD55
Specificity: CD55
Other names: DAF
Format: Purified
Product Type: Monoclonal Antibody
Clone: BRIC216
Isotype: IgG1
Quantity: 0.2 mg

Product Details

RRID: AB_321792

Applications

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<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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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 guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) Non-reducing conditions required.
(2) This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. Bio-Rad recommend the use of EQU003 for this purpose.

Target Species: Human

Product Form: Purified IgG - liquid

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

Buffer Solution: TRIS buffered saline.

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein: IgG concentration 1.0 mg/ml
Concentrations

Immunogen
Human fibroblast cell line.

External Database
Links
UniProt: P08174
Related reagents
Entrez Gene:
1604 CD55
Related reagents

Synonyms
CR, DAF

Specificity
Mouse anti Human CD55 antibody, clone BRIC216 recognizes the CD55 antigen, a ~70 kDa glycoprotein also known as Decay Accelerating Factor (DAF). CD55 is distributed on erythrocytes and other circulating blood cells and also on cells in non-haemopoietic tissue particularly epithelium and endothelium. CD55 is also expressed at the foetal-maternal interfaces in placenta. CD55 has reduced expression on individuals with paroxysmal nocturnal haemoglobinuria. Mouse anti Human CD55 antibody, clone BRIC216 has a functional binding affinity to erythrocytes of $8.7 \times 10^7$ M$^{-1}$. The antigen is pronase and trypsin resistant and chymotrypsin sensitive. Mouse anti Human CD55 antibody, clone BRIC216 recognizes the consensus region 3 of the DAF molecule, which contains the functional site, and the antibody blocks the function of DAF.

Flow Cytometry
Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul

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.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG IgA IgM (STAR87...)
- Alk. Phos.
- HRP

Goat Anti Mouse IgG (STAR77...)
- HRP

Rabbit Anti Mouse IgG (STAR12...)
- RPE

Rabbit Anti Mouse IgG (STAR8...)
- DyLight®800

Rabbit Anti Mouse IgG (STAR13...)
- HRP

Goat Anti Mouse IgG (STAR76...)
- RPE

Goat Anti Mouse IgG (STAR70...)
- FITC

Goat Anti Mouse IgG (Fc) (STAR120...)
- FITC

Rabbit Anti Mouse IgG (STAR9...)
- FITC

Goat Anti Mouse IgG (H/L) (STAR117...)
- Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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