Datasheet: MCA647F

Description: MOUSE ANTI HUMAN IgG (Fc) CH2 DOMAIN: FITC
Specificity: IgG (Fc) (CH2 DOMAIN)
Format: FITC
Product Type: Monoclonal Antibody
Clone: MK 1 A6
Isotype: IgG1
Quantity: 0.1 mg

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. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Neat - 1/10</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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species
Human

Species Cross Reactivity
Reacts with: Rhesus Monkey
N.B. Antibody reactivity and working conditions may vary between species.

Product Form
Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>520</td>
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Preparation
Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution
Phosphate buffered saline

Preservative Stabilisers
0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations
IgG concentration 0.1 mg/ml

Immunogen
Human IgG Polyclonal.

External Database Links
UniProt:
Spleen cells from BALB/c mouse were fused with cells from the mouse NS1 myeloma cell line.

**Specificity**

Mouse anti Human IgG (Fc) CH2 domain, clone MK 1 A6 recognizes human IgG Fc (all subclasses).

CH2 and hinge regions have an important role in effector functions of IgG. The epitope detected by clone MK 1 A6 lies within the CH2 domain as determined by haemagglutination and western blotting using IgG heavy chain and myelomas with defined domain deletions.

**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. 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.
Shelf Life 18 months from date of despatch.


Regulatory For research purposes only

Related Products

Recommended Negative Controls
MOUSE IgG1 NEGATIVE CONTROL: FITC (MCA928F)

Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)