Datasheet: MCA506FT

Description: RAT ANTI HUMAN CD235a:FITC

Specificity: CD235a

Other names: GLYCOPHORIN A

Format: FITC

Product Type: Monoclonal Antibody

Clone: YTH89.1

Isotype: IgG2b

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Yes</td>
<td>No</td>
<td>Not Determined</td>
<td>Neat</td>
</tr>
</tbody>
</table>

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

Human

Product Form

Ig Fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
</tr>
</tbody>
</table>

Preparation

Ig fraction prepared by ammonium sulphate precipitation

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1mg/ml

External Database Links

UniProt: P02724 Related reagents

Entrez Gene: 2993 GYPA Related reagents
<table>
<thead>
<tr>
<th>Synonyms</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>RRID</td>
<td>AB_2116239</td>
</tr>
<tr>
<td>Fusion Partners</td>
<td>Spleen cells from immunized DA rats were fused with cells of the Y3/Ag.1.2.3.</td>
</tr>
<tr>
<td>Specificity</td>
<td>Rat anti Human CD235a antibody, clone YTH89.1 recognizes glycophorin A, a major sialoglycoprotein of the human erythrocyte membrane.</td>
</tr>
</tbody>
</table>
| 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. |
| Guarantee      | 18 months from date of despatch. |
| Health And Safety Information | Material Safety Datasheet documentation #10041 available at:  
| Regulatory     | For research purposes only |
Related Products

**Recommended Negative Controls**

RAT IgG2b NEGATIVE CONTROL: FITC (MCA6006F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)