Datasheet: MCA2044F

Description: MOUSE ANTI HUMAN HLA G:FITC
Specificity: HLA G
Format: FITC
Product Type: Monoclonal Antibody
Clone: MEM-G/9
Isotype: IgG1
Quantity: 0.1 mg

RRID AB_322626

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](http://www.bio-rad-antibodies.com/protocols).

| || Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Flow Cytometry | | | | |

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

Product Form Purified IgG 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>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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Preparation Purified IgG prepared by affinity chromatography on Protein A

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 Recombinant human HLA-G refolded with beta 2 microglobulin.

External Database Links

UniProt: P17693 Related reagents
Entrez Gene: 3135  HLA-G  Related reagents

Synonyms  HLA-6.0, HLAG

Fusion Partners  Spleen cells from immunised Balb/c mice were fused with myeloma cells.

Specificity  Mouse anti Human HLA G antibody, clone MEM-G/9 recognizes human HLA-G, a non-classical major histocompatibility complex (MHC) molecule. HLA-G expression is restricted to trophoblast cells and some medullary thymic epithelial cells. Several isoforms of the HLA-G molecule exist, which include the membrane bound isoforms HLA-G1 – G4 and soluble isoforms HLA-G5 – G7. Clone MEM-G/9 specifically recognizes surface expressed native HLA-G1, when associated with beta 2 microglobulin, but not does recognize the isoforms HLA-G2, G3 and G4. CMouse anti Human HLA G antibody, clone MEM-G/9 has also been reported to recognize the soluble isoform HLA-G5.

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

References
15. Lim DS et al. (2014) The combination of type I IFN, TNF-α, and cell surface receptor engagement with dendritic cells enables NK cells to overcome immune evasion by dengue virus. J...

**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

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**Related Products**

**Recommended Negative Controls**

**Recommended Useful Reagents**

**HUMAN SEROBLOCK (BUF070A)**

**HUMAN SEROBLOCK (BUF070B)**

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