Product datasheet

Anti-HLA G antibody [MEM-G/9] ab7758

Overview

- **Product name**: Anti-HLA G antibody [MEM-G/9]
- **Description**: Mouse monoclonal [MEM-G/9] to HLA G
- **Host species**: Mouse
- **Specificity**: Reacts with the native form of human HLA-G on the cell surface as well as with soluble HLA-G molecule in its beta 2-microglobulin associated form. Specificity was demonstrated with cells transfected with either full-length HLA-G and HLA-G1 complementary DNA. This antibody does not compete with a tested panel of other monoclonal antibodies to HLA-G. We have data to indicate that this antibody may not cross react with Mouse. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.

Tested applications

- **Suitable for**: Flow Cyt

Species reactivity

- **Reacts with**: Human
- **Does not react with**: Mouse

Immunogen

- Recombinant full length protein corresponding to Human HLA G.

General notes

- The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

- If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As.

Properties

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
- **Storage buffer**: pH: 7.40
  - Preservative: 0.097% Sodium azide
  - Constituent: PBS
- **Purity**: Protein A purified
- **Clonality**: Monoclonal
Clone number: MEM-G/9
Isotype: IgG1

Applications

The Abpromise guarantee: Our Abpromise guarantee covers the use of ab7758 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Flow Cyt</td>
<td>🌟🌟🌟🌟🌟 (1)</td>
<td>Use at an assay dependent concentration. Do not fix cells, see Menier et al. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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Target

Function: Involved in the presentation of foreign antigens to the immune system. Plays a role in maternal tolerance of the fetus by mediating protection from the deleterious effects of natural killer cells, cytotoxic T lymphocytes, macrophages and mononuclear cells.

Tissue specificity: Expressed in trophoblasts.

Sequence similarities: Belongs to the MHC class I family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.

Cellular localization: Membrane.

Images

Flow cytometry analysis showing separation of HLA-G transfected LCL cells (red-filled) from K562 cells (black-dashed) stained using ab7758 (concentration in sample 0.3 μg/ml, GAM APC).

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