Product datasheet

Anti-HLA G antibody [MEM-G/1] ab7759

Overview

Product name
Anti-HLA G antibody [MEM-G/1]

Description
Mouse monoclonal [MEM-G/1] to HLA G

Host species
Mouse

Specificity
The antibody reacts with denatured HLA-G heavy chain.

Tested applications
Suitable for: IHC-P, WB, IHC-FoFr

Species reactivity
Reacts with: Human, Macaque monkey

Immunogen
Recombinant full length denatured heavy chain (Human).

General notes
This product was changed from ascites to tissue culture supernatant on 24th January 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

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 or -80°C. Avoid freeze / thaw cycle.

Storage buffer
pH: 7.40
Preservative: 0.097% Sodium azide
Constituent: PBS

Purity
Protein A purified

Purification notes
Purified from TCS. Purity >95% by SDS-PAGE.

Clonality
Monoclonal

Clone number
MEM-G/1

Isotype
IgG1

Applications

Our Abpromise guarantee covers the use of ab7759 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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</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 38.2 kDa.</td>
</tr>
<tr>
<td>IHC-FoFr</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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</tbody>
</table>

**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**
The antibody ab7759 stains infiltrating macrophages in pulmonary diseases. In the top left corner see detail of macrophage.
Western blot - Anti-HLA G antibody [MEM-G/1] (ab7759)

All lanes: Anti-HLA G antibody [MEM-G/1] (ab7759) at 10 µg/ml

Lane 1: Human placenta tissue lysate - total protein (ab29745)
Lane 2: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 3: JEG-3 (Human placental choriocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 38.2 kDa
Observed band size: 42 kDa

why is the actual band size different from the predicted?
Additional bands at: 38 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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