

## Product datasheet

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

★★★★☆ 3 Abreviews 18 References 2 Images

### Overview

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<b>Product name</b>	Anti-HLA G antibody [MEM-G/1]
<b>Description</b>	Mouse monoclonal [MEM-G/1] to HLA G
<b>Host species</b>	Mouse
<b>Specificity</b>	The antibody reacts with denaturated HLA-G heavy chain.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, IHC-FoFr
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Macaque monkey
<b>Immunogen</b>	Recombinant full length denatured heavy chain (Human).
<b>General notes</b>	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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from TCS. Purity >95% by SDS-PAGE.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MEM-G/1
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab7759** in the following tested applications.

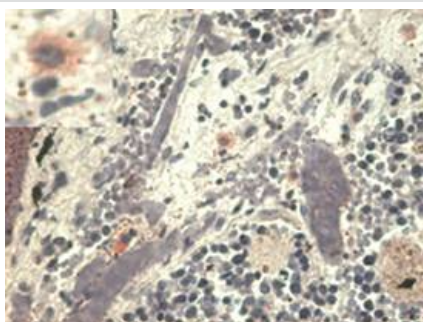
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.
WB	★★★★☆	Use at an assay dependent concentration. Predicted molecular weight: 38.2 kDa.
IHC-FoFr	★★★★☆	Use at an assay dependent concentration.

## Target

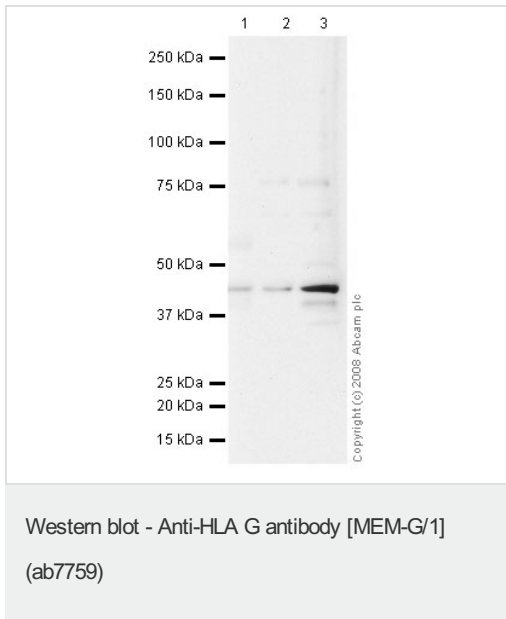
<b>Function</b>	Involved in the presentation of foreign antigens to the immune system. Plays a role in maternal tolerance of the fetus by mediating protection from the deleterious effects of natural killer cells, cytotoxic T lymphocytes, macrophages and mononuclear cells.
<b>Tissue specificity</b>	Expressed in trophoblasts.
<b>Sequence similarities</b>	Belongs to the MHC class I family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
<b>Cellular localization</b>	Membrane.

## Images



The antibody ab7759 stains infiltrating macrophages in pulmonary diseases. In the top left corner see detail of macropage.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 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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