Product datasheet

Anti-HLA G antibody [4H84] ab52455

Overview

Product name          Anti-HLA G antibody [4H84]
Description           Mouse monoclonal [4H84] to HLA G
Host species          Mouse
Tested applications   Suitable for: IHC-P, WB
Species reactivity    Reacts with: Human
Immunogen             Synthetic peptide corresponding to Human HLA G aa 61-83.
                      Sequence: DSDSACPRMEPRAPWVEQEGPEY
Positive control      WB: JEG-3 cell line.
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 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 hybridoma culture supernatant. Purity >95% by SDS-PAGE.
Clonality             Monoclonal
Clone number          4H84
Isotype
IgG1

Applications

The Abpromise guarantee
Our Abpromise guarantee covers the use of ab52455 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>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>★★★★★   (2)</td>
<td>Use a concentration of 10 µg/ml.</td>
</tr>
<tr>
<td>WB</td>
<td>★★★ ★★   (2)</td>
<td>Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 38 kDa.</td>
</tr>
</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

All lanes: Anti-HLA G antibody [4H84] (ab52455) at 2 µg/ml

Lane 1: JEG-3 cell line under reducing conditions.
Lane 2: LNCaP cell line under reducing conditions.
Lane 3: JEG-3 cell line under non-reducing conditions.
Lane 4: LNCaP cell line under non-reducing conditions.

Secondary
All lanes: IRDye800-conjugated anti-mouse

Predicted band size: 38 kDa
Observed band size: 40 kDa

Western blotting analysis of human HLA-G using ab52455 on lysates of JEG-3 cell line and LNCaP cell line (negative control) under reducing and non-reducing conditions.
Nitrocellulose membrane was probed with 2 µg/ml of ab52455 followed by IRDye800-conjugated anti-mouse secondary antibody.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors