

Product datasheet

Anti-HLA G antibody [87G] (Alexa Fluor® 488) ab187576

Overview

Product name	Anti-HLA G antibody [87G] (Alexa Fluor® 488)
Description	Mouse monoclonal [87G] to HLA G (Alexa Fluor® 488)
Host species	Mouse
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
Specificity	ab187576 recognizes both membrane-bound and soluble forms of HLA G (HLA G1 and HLA G5). ab187576 blocks interaction of HLA G with inhibitory receptors.

Tested applications **Suitable for:** Flow Cyt

Species reactivity **Reacts with:** Human

Predicted to work with: Chimpanzee **Does not react with:** Mouse, Rat

Immunogen Full length protein corresponding to Human HLA G aa 1-338. HLA-B27 transgenic mice were immunized with H-2 identical murine cells transfected with and expressing genes encoding HLA G and Human beta 2 Microglobulin.

Sequence:

```
MVVMAPRTLFLLLSGALTLTETWAGSHSMRYFSAAVSRP
GRGEPRIAMG
YVDDTQFVRFSDSACPRMEPRAPWVEQEGPEYWEIE
TRNTKAHAQTDRM
NLQTLRGYYNQSEASSHTLQWMIGCDLGSDGRLLRGYEQ
YAYDGKDYAL
NEDLRSWTAADTAAQISKRKCEANVAEQRRAYLEGTCV
EWLHRYLENGK
EMLQRADPPKTHVTHHPVFDYEATLRCWALGFYPAEILT
WQRDGEDQTQ
DVELVETRPAGDGTQKWAAVVPSGEEQRYTCHVQHE
GLPEPLMLRWKQ
SSLPTIPIMGVAGLVVLAAVVTGAAVA AVLWRKKSSD
```

Database link: [P17693](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 99% PBS
Purity	Size exclusion
Purification notes	ab187576 is conjugated with Alexa Fluor® 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Clonality	Monoclonal
Clone number	87G
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab187576** 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
Flow Cyt		Use a concentration of 15 µg/ml. ab171464 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

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.

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