


## Product datasheet

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

[1 Image](#)

### Overview

<b>Product name</b>	Alexa Fluor® 488 Anti-HLA G antibody [87G]
<b>Description</b>	Alexa Fluor® 488 Mouse monoclonal [87G] to HLA G
<b>Host species</b>	Mouse
<b>Conjugation</b>	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
<b>Specificity</b>	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.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee  <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human HLA G aa 1 to the C-terminus. 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. Database link: <a href="#">P17693</a>

 [Run BLAST with](#)

 [Run BLAST with](#)

### 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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
<b>Storage buffer</b>	pH: 8 Preservative: 0.097% Sodium azide Constituents: 99% Tris buffered saline, 0.2% BSA
<b>Purity</b>	Size exclusion
<b>Purification notes</b>	ab187576 is conjugated with Alexa Fluor® 488 under optimum conditions. The conjugate is

	purified by size-exclusion chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	87G
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab187576 in the following tested applications.

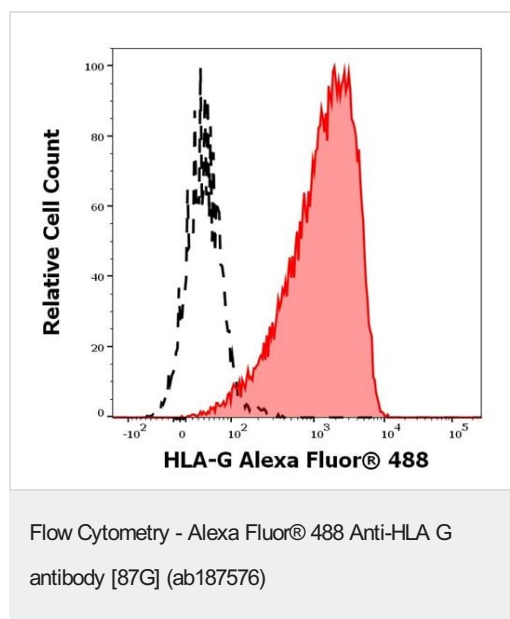
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt</b>		Use at an assay dependent concentration. <b>ab171464</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## 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



Separation of HLA-G transfected LCL cells (red-filled) from non-transfected LCL cells (black-dashed) in flow cytometry analysis (surface staining) stained using anti-HLA-G (87G) Alexa Fluor® 488 antibody (ab187576) (concentration in sample 10 µg/ml).

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

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