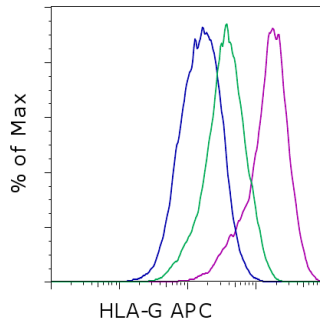


Anti-Human HLA-G APC

Catalog Number: 17-9957

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of the U937 cell line stimulated with GM-CSF and IFN gamma with Mouse IgG2a kappa Isotype Control APC (cat. 17-4724) (blue histogram) or Anti-Human HLA-G APC (purple histogram). Green histogram represents staining of unstimulated cells with Anti-Human HLA-G APC. Total viable cells were used for analysis.

Product Information

Contents: Anti-Human HLA-G APC
Catalog Number: 17-9957
Clone: 87G
Concentration: 5 μ L (0.125 μ g)/test
Host/Isotype: Mouse IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The monoclonal antibody 87G recognizes human HLA-G, a member of the Human Leukocyte Antigen family but as part of the nonclassical MHC type involved in inhibiting immune responses. HLA-G has seven reported isoforms. The antibody 87G recognizes both HLA-G1 and the soluble HLA-G5. Expression of HLA-G is found primarily in fetal trophoblast cells as they invade the maternal decidua thereby protecting the fetus from the maternal immune system. Like the highly mitotic trophoblast, abundant HLA-G protein expression has been identified in some tumors, including melanoma, breast carcinoma and renal carcinoma as well as CLL, AML and B-CLL. Some expression has also been found in pancreatic islets, erythroid and endothelial progenitors and the adult thymic medulla. HLA-G+ CD4 or CD8 cells have been identified in normal human peripheral blood and are thought to act as regulatory cells in that they are hypoproliferative with a unique cytokine profile differing from Tregs. The receptors for HLA-G are CD85j/ILT2, CD85d/ILT4, and CD158. Recent studies have shown a role for HLA-G in tolerance and maintenance of transplanted organs.

Applications Reported

This 87G antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 87G antibody has been pre-titrated and tested by flow cytometric analysis of stimulated U937 cells. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

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Related Products

00-4222 Flow Cytometry Staining Buffer

17-4724 Mouse IgG2a K Isotype Control APC

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