

Product datasheet for **AM03060RP-N**

HLA-G (HLA-G) Mouse Monoclonal Antibody [Clone ID: 87G]

Product data:

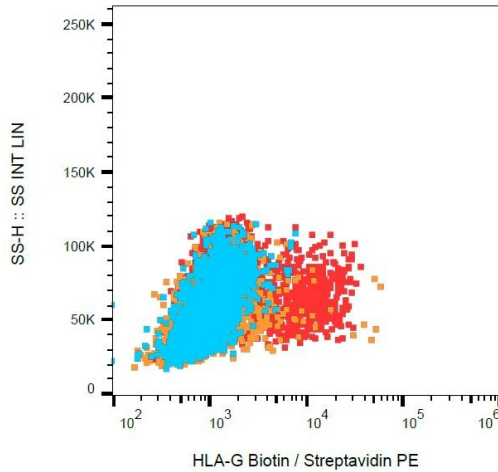
Product Type:	Primary Antibodies
Clone Name:	87G
Applications:	FC
Recommended Dilution:	Suitable for Flow Cytometry analysis (1/10).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	HLA-B27 transgenic mice were immunized with H-2 identical murine cells transfected with and expressing genes encoding HLA-G and human beta2-microglobulin.
Specificity:	The antibody 87G recognizes both membrane-bound and soluble forms of HLA-G (HLA-G1 and HLA-G5).
Formulation:	Phosphate buffered saline (PBS) solution containing 15mM sodium azide Label: PE State: Liquid purified Ig fraction Label: Conjugated with R-Phycoerythrin under optimum conditions
Concentration:	lot specific
Purification:	Size-exclusion chromatography
Conjugation:	PE
Storage:	Store the antibody in the dark at 2-8°C. Do Not Freeze! Avoid prolonged exposure to light.
Stability:	Shelf life: One year from despatch.
Gene Name:	major histocompatibility complex, class I, G
Database Link:	Entrez Gene 3135 Human P17693
Background:	HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.



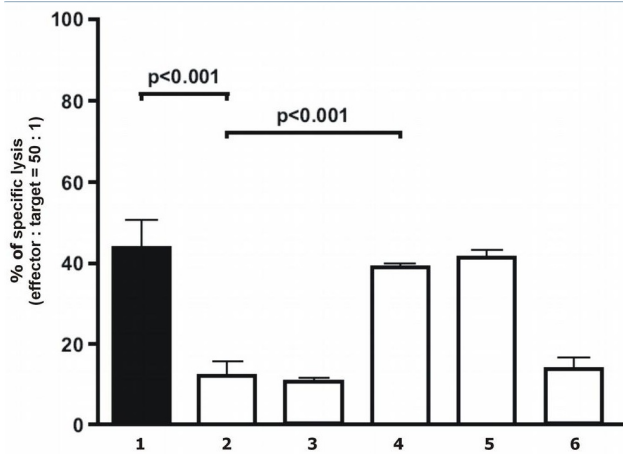
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Synonyms: HLA-6.0, HLAG, MHC class I antigen G

Product images:



Surface staining of HLA-G transfectants (red) compared with K562 cells (orange) and blank (blue), with anti-HLA-G antibody (87G) biotin / streptavidin-PE.



Analysis of cytolytical activity of human polyclonal NK cells on target melanoma cells. Blocking of HLA-G1 on transfectants with anti-human HLA-G (87G) restored specific lysis. Target cells: M8 cell line transfected with empty vector (column 1) and with HLA-G1 cDNA (columns 2-6). Blocking antibodies: Column 1-2: none; Column 3: Isotype mouse IgG2a control; Column 4: anti-human HLA-G (87G) purified; Column 5: anti-human HLA-G (87G) F(ab')₂ fragment; Column 6: anti-human HLA-G (MEM-G/9)