

Technical Data Sheet

Product **Anti-HLA-G Purified Low Endotoxin**

Cat. Number/Size **12-437-C100 0.1 mg**

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

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Antigen	HLA-G
Clone	87G
Format	Purified Low Endotoxin
Reactivity	Human
Negative species	Mouse, Rat
Application	FC (QC tested), IHC(F), ELISA
Application details	Flow cytometry: Extracellular and intracellular staining; recommended dilution: 2 µg/ml; positive control: JEG-3 human choriocarcinoma epithelial cell line. Immunohistochemistry (frozen sections): Recommended dilution: 10 µg/ml, incubation: 20 min at 25°C; positive tissue: extravillous cytotrophoblast. ELISA: Recommended dilution: 1 µg/ml; positive control: JEG-3 human choriocarcinoma epithelial cell line. The antibody 87G has been tested as the capture antibody in a sandwich ELISA for analysis of human HLA-G in combination with antibody W6/32.
Isotype	Mouse IgG2a
Specificity	The antibody 87G recognizes both membrane-bound and soluble forms of HLA-G (HLA-G1 and HLA-G5). HLA-G belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on the surface of trophoblast cells.
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.
Entrez Gene ID	3135
Gene name	HLA-G
NCBI Full Gene Name	major histocompatibility complex, class I, G
UniProt ID	P17693

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Concentration	1 mg/ml
Preparation	Purified by protein-A affinity chromatography.
Formulation	Phosphate buffered saline (PBS), pH 7.4
Storage and handling	Store at 2-8°C. Do not freeze.

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Images and References	<a href="http://www.exbio.cz">www.exbio.cz</a>
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