



	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.	
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 imunized 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	
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.	
Images and References	www.exbio.cz	

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