**Technical Data Sheet**

**Product**

**Anti-HLA-G PE**

<table>
<thead>
<tr>
<th>Cat. Number/Size</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1P-437-C025</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>1P-437-C100</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

*For Research Use Only.*

*Not for use in diagnostic or therapeutic procedures.*

**Antigen** HLA-G  
**Clone** 87G  
**Format** PE  
**Reactivity** Human  
**Negative species** Mouse, Rat  
**Application** FC (QC tested)  
**Excitation laser** blue (488 nm)  
**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. The antibody 87G blocks interaction of HLA-G with inhibitory receptors.  
**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  
**Concentration** 0.1 mg/ml  
**Preparation** The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.  
**Formulation** Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide  
**Storage and handling** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

**Images and References** www.exbio.cz