



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-HLA-G [YWHG-5] Standard Size Ab03656-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** YWHG-5

**Alternative Name(s) of Target:** HLAG; HLA-6.0; HLA class I histocompatibility antigen alpha chain G; HLA G antigen; MHC class I antigen G

**UniProt Accession Number of Target Protein:** P17693

**Published Application(s):** WB, ELISA, FC, IHC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with synthetic human HLA-G molecule heavy chain  $\alpha 3$  structural domain and HLA-G5/6 molecule specific transmembrane region amino acid sequence 'EGLPEPLMLRWSKEGDGGIMS'.

**Specificity:** This antibody specifically binds the amino acid sequence 'EGLPEPLMLRWSKEGDGGIMS' in the  $\alpha 3$  structural domain of the human HLA-G5 and HLA-G6. HLA-G5 and HLA-G6 are secreted forms of HLA-G that are non-classical major histocompatibility class Ib molecules involved in immune regulatory processes at the maternal-fetal interface. HLA-G expression has been reported in numerous types of cancer, always associated with more advanced stage and aggressive development of the tumor.

**Application Notes:** This antibody can bind human HLA-G peptide 'EGLPEPLMLRWSKEGDGGIMS' in an ELISA with a binding affinity of  $K_a = 1.01 \times 10^{(9)}$  L/mol. This antibody was capable of detecting G5 and G6 isoforms of human HLA-G in a western blot and does not cross react with any other isoforms of HLA-G. This antibody was also used in the detection of soluble HLA-G5 and HLA-G6 using intracellular flow cytometry of K562-HLA-G5 and K562-HLA-G6 cells. This antibody can also be used for the immunohistochemical staining of HLA-G5/6 molecular expression in gastric cancer tissue using immunohistochemistry (CN114605543).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.