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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

www.szabo-scandic.com

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

Anti-HLA-G [mem-G/9] Bulk Size Ab03738-10.3-BT

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: mem-G/9

Alternative Name(s) of Target: HLAG; HLA-6.0; HLA-G5; HLAG-6; HLA class I histocompatibility antigen alpha chain G; HLA G antigen; MHC class I antigen G; human leukocyte antigen

UniProt Accession Number of Target Protein: P17693

Published Application(s): ELISA, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with native, properly folded, beta-2-microglobulin (b2m)-associated HLA-G.

Specificity: This antibody binds an epitope in the alpha 1 domain of human HLA-G. It binds the native form of human HLA-G1 on the cell surface as well as with soluble HLA-G5 isoform in its beta2-microglobulin associated form. It is also reported to cross react with HLA-G3.

Application Notes: This antibody is not suitable for detecting denatured human HLA-G protein in a western blot. This antibody can be used for the detection of soluble HLA-G in a sample using ELISA (PMID: 10902607). This antibody can effectively detect HLA-G and HLA-G3 on K653-HLA-G1, K562-G3 transductants, M8-HLA-G1 and JEG-3 cells in a flow cytometric analysis (PMID: 12590976; 22738368). This antibody was also used for studying the expression of HLA-G on the surface of JEG-3 cells using immunofluorescence staining (PMID: 22738368). This antibody can be used for immunohistochemical analysis of cryopreserved serial sections of trophoblast tissue. This antibody is not suitable for immunohistochemical staining of paraffin sections (PMID: 12590976). This antibody was also reported to be used in isolation of HLA-G+ cells for prenatal screening (PMID: 35498932).

Antibody First Published in: Fournel et al. Comparative reactivity of different HLA-G monoclonal antibodies to soluble HLA-G molecules. Tissue Antigens. 2000 Jun;55(6):510-8. [PMID:10902607](#)

Note on publication: This paper evaluated the ability of different HLA-G antibodies to react with soluble HLA-G in an ELISA.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.