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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

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Anti-HLA-G [YWHG-5] Bulk Size Ab03656-10.3-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: 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: 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.