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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HLA-A2 [MBW1] Standard Size Ab03371-15.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Human IgM, Lambda

Clone Number: MBW1

Alternative Name(s) of Target: HLA-A; Human leukocyte antigen A; HLA class I histocompatibility antigen; A-2 alpha chain; MHC class I antigen A-2 HLA-A; HLA class I histocompatibility antigen A-28 alpha chain; HLA class I histocompatibility antigen; A-28 alpha chain; MHC class I antigen A-28

UniProt Accession Number of Target Protein: P04439

Published Application(s): functional assay, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated from the peripheral blood lymphocytes obtained from a multiparous volunteer 1 week postpartum were transformed in vitro by Epstein-Barr virus and electro fused with the heterohybridoma fusion partner, K6H6/B5. The screening for specific clone was done using micro lymphocytotoxicity assay.

Specificity: The antibody specifically binds human HLA-A2 and does not cross react with A28, Aw68, or Aw69 antigens.

Application Notes: This antibody specifically reacts with human HLA-A2 and does not cross react with A28, Aw68, or Aw69 antigens (PMID: 2160447). The reactivity of this antibody to human HLA-A2 was determined using ELISA. The reactivity of this antibody towards HLA-A2 was abolished by substitutions in the a1 domain, specifically the substitutions of alanine for glutamic acid at position 58 (E58A) and either a valine or arginine substitution for glycine at position 62 (G62V or G62R). The reactivity of this antibody to surface bound HLA-A*0201 was determined using complement-dependent cytotoxicity (CDC) assay (PMID: 9862700).

Antibody First Published in: Wallace et al. Generation of a human hybridoma producing a pure anti-HLA-A2 monoclonal antibody. Hum Immunol. 1990 May;28(1):65-9. [PMID:2160447](#)

Note on publication: Describes the generation and characterization of this antibody.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

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.