

Product Datasheet

HLA-A2 Antibody (orb1906406)

Description

HLA-A2 Antibody

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested

ELISA, FC, IF, IHC, WB

Applications
Immunogen

The original antibody was generated by immunizing BALB/c mice with papain solubilized HLA-A2 and B7 antigens.

Target

HLA-A2

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

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

Note

For research use only

Application notes

The binding specificity of BB7.2 towards HLA-A2 was assessed using complement-mediated cytotoxicity and cellular radio binding assay. This antibody is cytotoxic for peripheral blood leukocytes and lymphoid cell lines. The original IgG2b version of this antibody binds HLA-A2 positive cells with a binding or avidity constant of about 5×10^8 liter/mol (PMID:7035415). This antibody was used to detect HLA-A*0201-PR1 complexes using western blot and ELISA (PMID: 17493346). This antibody was also used to detect HLA-A2 complexed with pol, gag, and EBV peptides using ELISA (PMID:8562505). This antibody was used to screen human leucocyte antigen (HLA)-A2 haplotype-positive HBV patients using flow cytometry (PMID: 16108766). This antibody was also used for the immunofluorescent staining of HLA-A2.1 molecules on the cell surface of human processing defective cell line (T2) (PMID:7684681). This antibody was used in a study involving the expression of HLA class molecules in head and neck squamous cell carcinoma (HNSCC) specimens by immunohistochemistry (PMID: 9328140).

Isotype

IgG2b

Clonality

Monoclonal

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