

anti-Human HLA-A2 Antibody | anti-HLA-A2 antibody

Anti-HLA-A2 [BB7.2]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72323	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot, ELISA

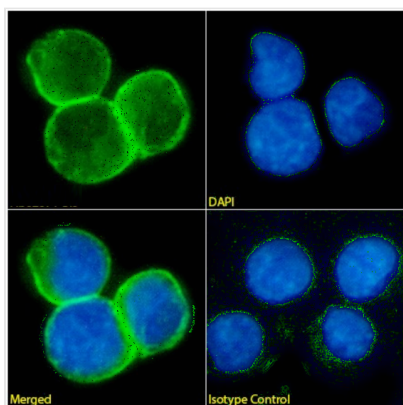
PRODUCT SYNONYMS

HLA-A2; Anti-HLA-A2 [BB7.2]; 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; A-28 alpha chain; MHC class I antigen A-28; anti-HLA-A2 antibody

PRODUCT SPECIFICATIONS

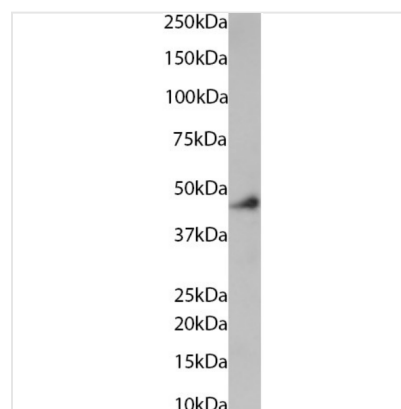
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	BB7.2
Specificity	This antibody binds the carboxy terminus of the alpha2-helix of class I MHC molecule and a turn on one of the underlying beta-strands.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HLA-A2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



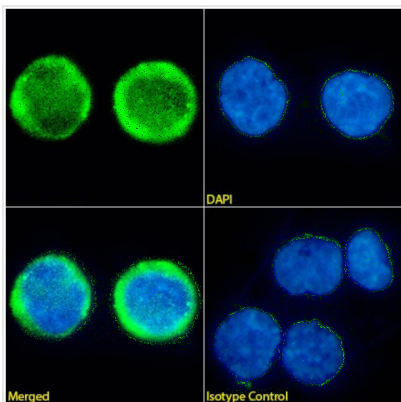
IF (Immunofluorescence)

Immunofluorescence staining of Daudi cells with anti-HLA-A2 antibody BB7.2 . Immunofluorescence analysis of paraformaldehyde-fixed Daudi cells on Shi-fix™ coverslips stained with the mouse IgG2b version of BB7.2 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



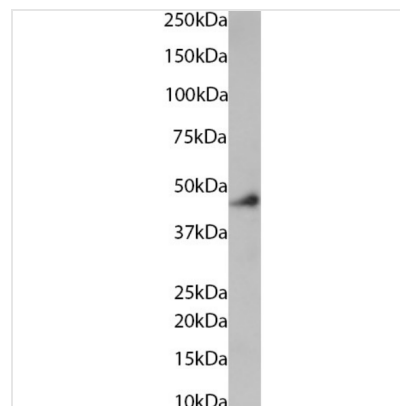
WB (Western Blot)

Western blot using anti-HLA-A2 antibody BB7.2 . Daudi cells lysate (35ug protein in RIPA buffer) was resolved via SDS-PAGE, and the subsequent blot was probed with the chimeric rabbit version of BB7.2 (AAA72323) at 0.3ug/ml before detection using an appropriate secondary antibody. A primary incubation of 1 hour was used, and proteins were detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of Daudi cells with anti-HLA-A2 antibody BB7.2 . Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of BB7.2 (AAA72323) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72323, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-HLA-A2 antibody BB7.2 . Daudi cells lysate (35ug protein in RIPA buffer) was resolved via SDS-PAGE, and the subsequent blot was probed with the chimeric rabbit version of BB7.2 (AAA72323) at 0.3ug/ml before detection using an appropriate secondary antibody. A primary incubation of 1 hour was used, and proteins were detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-A2 antibody	The original antibody was generated by immunizing BALB/c mice with papain solubilized HLA-A2 and B7 antigens. Describes the generation and purification of this antibody. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for anti-HLA-A2 antibody	immunology ; antigen presentation ; T cell mediated immune response ; 'autoimmune diseases
References	Parham et al. Hum Immunol. 1981 Dec;3(4):277-99.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797067
NCBI GeneID	3105
NCBI Accession #	NP_002107.3
NCBI GenBank Nucleotide #	NM_002116.7
UniProt Accession #	P04439 ; O19546 ; O19756 ; Q65A82 ; Q9GJE6 ; Q9GJE7 ; Q9GJE8 ; Q9MYE6 ; Q9MYG4 ; Q9TPR8 ; P01892 ; P13746 ; P18462 ; P30443 ; P30447 ; P30453 ; P30455 ; P30456 ; P30457 ; Q09160
Molecular Weight	40,841 Da
NCBI Official Full Name	HLA class I histocompatibility antigen, A-1 alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class I, A
NCBI Official Symbol	HLA-A
NCBI Official Synonym Symbols	HLAA
NCBI Protein Information	HLA class I histocompatibility antigen, A-1 alpha chain
UniProt Protein Name	HLA class I histocompatibility antigen, A-3 alpha chain
UniProt Gene Name	HLA-A
UniProt Synonym Gene Names	HLAA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/hla-a2/72323>