

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

Anti-HLA-A2 [BB7.2]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72324	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot, ELISA

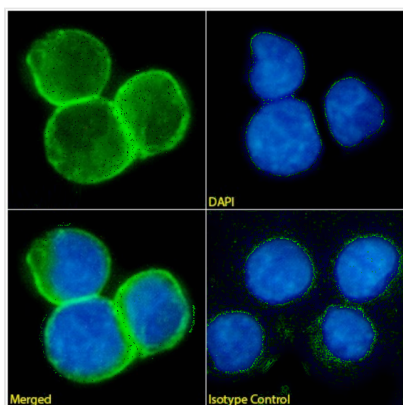
PRODUCT SYNONYMS

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

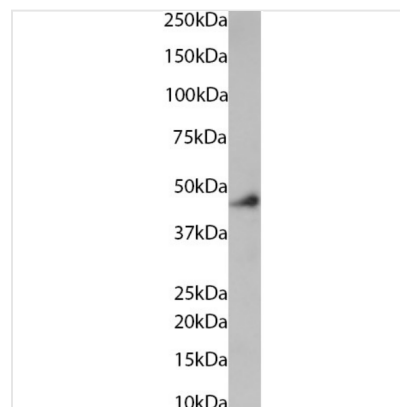
Reactivity	Human
Isotype	Mouse IgG2b kappa
Clone Number	BB7.2
Specificity	This antibody binds the carboxy terminus of the alpha2-helix of class I MHC molecule and a turn on one of the underlying beta-strands.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 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



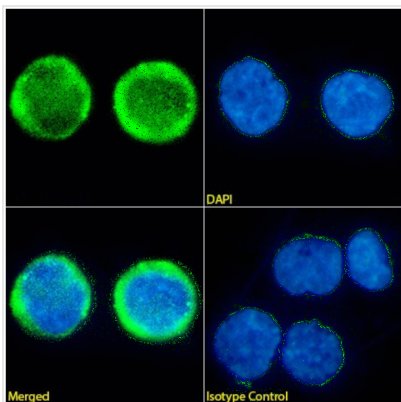
IF (Immunofluorescence)

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 (AAA72324) (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, AAA72324, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



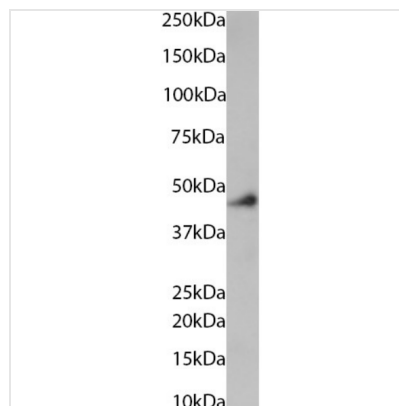
WB (Western Blot)

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 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 (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,, 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 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.
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
UniProt Entry Name	1A03_HUMAN

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-a2/72324>