

Mouse anti-Human HLA B7 Monoclonal Antibody | anti-HLA-B antibody

Mouse Anti Human HLA B7: Amethyst Orange

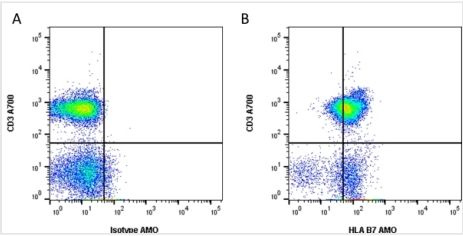
CATALOG # AAA50405	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

HLA B7; Monoclonal Antibody; Mouse Anti Human HLA B7: Amethyst Orange; HLA B7 antibody; BB7.1; anti-HLA-B antibody

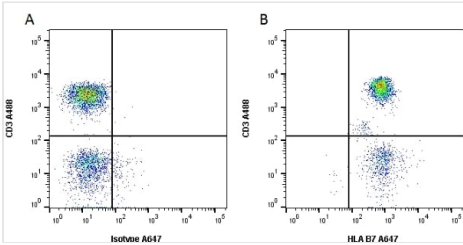
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BB7.1
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Form/Format	Purified IgG conjugated to Amethyst Orange - Liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-HLA-B antibody	FCM/FACS (Flow Cytometry)
Immunogen	Papain solubilized HLA-B7 antigen
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Buffer Solution	Phosphate Buffered Saline
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. This product contains a precipitate we recommend microcentrifugation before use



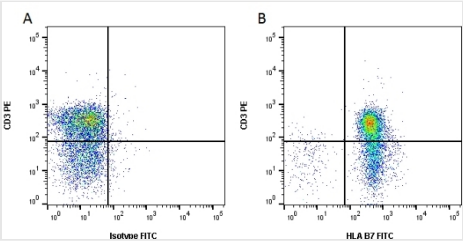
Application Data

Figure A. Alexa Fluor 700 conjugated Mouse anti Human CD3 and Amethyst Orange conjugated Mouse IgG1 isotype control . Figure B. Alexa Fluor 700 conjugated Mouse anti Human CD3 and Amethyst Orange conjugated Mouse anti Human HLA B7 . All experiments performed on human blood gated on live single mononuclear cells, in the presence of 10% human serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. Alexa Fluor 488 conjugated Mouse anti Human CD3 and Alexa Fluor 647 conjugated Mouse IgG1 isotype control . Figure B . Alexa Fluor 488 conjugated Mouse anti Human CD3 and Alexa Fluor 647 conjugated Mouse anti Human HLA-B7 . All experiments performed on human blood gated on live single lymphocytes, in the presence of 10% Human serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. PE conjugated Mouse anti Human CD3 and FITC conjugated Mouse IgG1 isotype control . Figure B . PE conjugated Mouse anti Human CD3 and FITC conjugated Mouse anti Human HLA-B7 . All experiments performed on human blood gated on single cell lymphocytes in the presence of 10% human serum. Data acquired on the ZE5 Cell Analyzer

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-B antibody

Mouse anti Human HLA B7 antibody, clone BB7.1 recognizes the HLA B7 antigen and does not cross-react with HLA B27 or other related antigens. It can be used to distinguish true HLA B27 positives from false HLA B27 positives (i.e. HLA B7 positive) in the investigation of diseases such as ankylosing spondylitis and anterior uveitis. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class I proteins encoded by the HLA which are HLA A, HLA B and HLA C. The HLA B gene is part of the human HLA complex on chromosome 6 and there are a large number of variant alleles of this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2341083
NCBI GeneID	3106
UniProt Accession #	P01889
NCBI Official Full Name	HLA-B, partial
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; B-4901
NCBI Protein Information	major histocompatibility complex, class I, B
UniProt Protein Name	HLA class I histocompatibility antigen, B-7 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB

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/monoclonal/hla-b7-antibody-clone-bb7-1-flow-cytometry-elisa/50405>