

Mouse HLA B27 Monoclonal Antibody | anti-HLA B27 antibody

MOUSE ANTI HUMAN HLA B27:FITC

CATALOG # AAA49044	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

HLA B27; Monoclonal Antibody; MOUSE ANTI HUMAN HLA B27:FITC; anti-HLA B27 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	HLA-ABC-m3
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	Approximate Protein Concentration: 50 ug/ml (varies by lot)
Sequence Length	362
Applicable Applications for anti-HLA B27 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.1% Sodium Azide (NaN ₃) 0.2% Bovine Serum Albumin Preparation
Immunogen	Immune complex precipitated from HLA-B27 positive cell line (Bordin) by anti HLA-antibody and Staphylococcal Protein A. Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA B27 antibody	Mouse anti Human HLA B27 antibody, clone HLA-ABC-m3 recognizes the HLA-B27 alloantigen. This antibody reacts with the peripheral blood lymphocytes of 47/47 individuals conventionally typed as HLA-B27 + and precipitates cell surface molecules of 43 and 12 kD, corresponding to the HLA Class 1 heavy chain and beta 2 microglobulin. Affinity studies by Scatchard analysis showed that this antibody has a higher affinity for HLA-B27 ($9.7 \times 10^8 \text{ M}^{-1}$) than for HLA B7 ($9.5 \times 10^7 \text{ M}^{-1}$). Subjects Expected Fluorescence Intensity Heterozygous HLA-B27+ Strong Homozygous HLA-B27+ Strong Heterozygous HLA-B7+ Faint Non B27, Non B7 Negative
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34305677
NCBI GeneID	3106

UniProt Accession #	P03989; O19692; P10317; P10318; P19373; P30467; Q08136; Q29693; Q29846; Q29961; P01889; P10319; P18463; P18464; P18465; P30460; P30461; P30462; P30464
Molecular Weight	40,428 Da
NCBI Official Full Name	HLA class I histocompatibility antigen, B-27 alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; SPDA1
NCBI Protein Information	major histocompatibility complex, class I, B; HLA class I histocompatibility antigen, B alpha chain; MHC Class I HLA heavy chain; MHC HLA-B cell surface glycoprotein; MHC HLA-B transmembrane glycoprotein; MHC class I antigen GN00104; MHC class I antigen HLA-B heavy chain; MHC class I antigen SHCHA; leukocyte antigen class I-B; lymphocyte antigen
UniProt Protein Name	HLA class I histocompatibility antigen, B-27 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB
UniProt Entry Name	1B27_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/hla-b27-antibody-clone-hla-abc-m3-flow-cytometry-elisa/49044>