

Rabbit anti-Human CD1a Monoclonal Antibody | anti-CD1a antibody

Anti-CD1a [CBT6]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72154	Rabbit	Human	Immunoprecipitation, ELISA, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

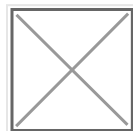
PRODUCT SYNONYMS

CD1a; Monoclonal Antibody; Anti-CD1a [CBT6]; T6/Leu6; T-cell surface antigen T6/Leu-6; T6; Leu 6; hTa1 thymocyte antigen; FCB6; R4; anti-CD1a antibody

PRODUCT SPECIFICATIONS

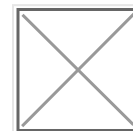
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	CBT6
Specificity	The antibody is specific for the human CD1a protein.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD1a antibody	IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
PMID	10773345
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-CD1a antibody CBT6 (AAA72154). Molt4 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody or the rabbit IgG1 version of CBT6 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of fixed Jurkat cells with anti-CD1a antibody CBT6 (AAA72154). Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of CBT6 () at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), 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.

ADDITIONAL INFORMATION

Related Product Information for anti-CD1a antibody	Recombinant monoclonal antibody to CD1a. Recombinant Platform with variable regions (i.e. specificity) from The hybridoma CBT6. Nordic MUBio This antibody was raised by immunizing mice with the human CD1a protein.
Product Categories/Family for anti-CD1a antibody	Immunessystem; thymocytes; MHC class II; T-cells
References	Gregory. et al Role of the CD1a molecule in the superantigen-induced activation of MHC class II negative human thymocytes Hum Immunol. 2000 May;61(5):427-37. Note on publication: It describes the use of the antibody in inhibiting the proliferation of MHC class II thymocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	288558852
NCBI GeneID	909
UniProt Accession #	P06126; Q13962; Q5TDJ8; Q9UMM4; Q9Y5M5; D3DVD7
Molecular Weight	37,077 Da
NCBI Official Full Name	T-cell surface glycoprotein CD1a
NCBI Official Synonym Full Names	CD1a molecule
NCBI Official Symbol	CD1A
NCBI Official Synonym Symbols	R4; T6; CD1; FCB6; HTA1
NCBI Protein Information	T-cell surface glycoprotein CD1a
UniProt Protein Name	T-cell surface glycoprotein CD1a
UniProt Gene Name	CD1A
UniProt Synonym Gene Names	hTa1 thymocyte antigen

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/cd1a-antibody-clone-cbt6-immunoprecipitation-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/72154>