

Mouse anti-Human CD152 Monoclonal Antibody | anti-CD152 antibody

MOUSE ANTI HUMAN CD152

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50478	Mouse	Human	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence, ELISA

PRODUCT SYNONYMS

CD152; Monoclonal Antibody; MOUSE ANTI HUMAN CD152; CTLA-4; anti-CD152 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	BNI3
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Purified IgG - liquid ALEXA FLUOR 647, FITC, Purified, RPE Phosphate buffered saline 0.09% sodium azide (NaN ₃)
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-CD152 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA
Immunogen	Human CTLA-4/human IgG heavy chain fusion protein.
Preparation and Storage	IgG concentration 1.0mg/ml

IMAGES



Application Data

Abatacept bridging ELISA for Anti-Drug Antibody (ADA) assay developmentA microtiter plate was coated overnight with abatacept at a concentration of 1 ug/ml. After washing and blocking with PBST + 5% BSA, PBST with 10% human serum was added spiked with increasing concentrations of Human Anti-Abatacept Antibody, clone AbD37058ia (HCA335, black), clone AbD37065ia (HCA336, red) or Mouse Anti-Human CD152 . Detection was performed using HRP conjugated abatacept followed by QuantaBlu Fluorogenic Peroxidase Substrate. Data are shown as the mean of three measurements. HRP conjugation of the antibody used in this assay was performed using a LYNX Rapid HRP Antibody Conjugation Kit (LNK002P).



Application Data

Human Anti-Abatacept Antibody bridging ELISA for Pharmacokinetic (PK) assay developmentA microtiter plate was coated overnight with Mouse Anti-Human CD152 Antibody, clone BNI3 at a concentration of 1 ug/ml. After washing and blocking with PBST + 5% BSA, 10% human serum was added spiked with increasing concentrations of abatacept. Detection was performed using HRP conjugated Human Anti-Abatacept Antibody, clone AbD37058ia (HCA335) at a concentration of 2 ug/ml in HISPEC Assay Diluent (BUF049A) followed by QuantaBlu Fluorogenic Peroxidase Substrate. Data are shown as the mean of three measurements. HRP conjugation of the antibody used in this assay was performed using a LYNX Rapid HRP Antibody Conjugation Kit (LNK002P).

ADDITIONAL INFORMATION

Related Product Information for anti-CD152 antibody	Mouse anti Human CD152 antibody, clone BNI3 recognizes human CD152, also known as CTLA-4 (cytotoxic T-lymphocyte-associated antigen 4), an inhibitory receptor and negative regulator of T-cell responses. CD152 is a single pass type 1 transmembrane protein belonging to the immunoglobulin superfamily containing a single Ig-v-like domain in the extracellular region.CD152 along with CD28 binds to the co-stimulatory molecules CD80 and CD86 (Azuma et al. 1993). Mouse anti human CD152 antibody, clone BNI3 is able to block ligand binding on the Raji B-cell line (Steiner et al. 2001) and blocks binding of an alternative clone, BNI8 to CTLA-4/Ig in ELISA. Mouse anti Human CD152 antibody, clone BNI3 binds to the same epitope as classified anti CTLA-4 clones 11D4 and 10A8 (Wang et al. In: Leukocyte typing VI 1997 Garland Publishing Inc. pp97-98, Bull World Health Organ. 1997). The cytoplasmic domain of CD152 contains a critical tyrosine at residue 201 phosphorylated by Janus Kinase 2 which subsequently controls surface expression through regulation of CD152 interaction with AP-2 (Shiratori et al. 1997, Chikuma et al. 2000). CD152 is expressed primarily as an intracellular antigen with transport to the cell surface under tight regulation of several molecules including Trim, PLD and TIRC7, CD152 also demonstrates rapid internalization once expressed at the cell surfac
Product Categories/Family for anti-CD152 antibody	Primary

NCBI AND UNIPROT INFORMATION

NCBI GeneID	1493
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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/cd152-antibody-clone-bni3-immunoprecipitation-immunohistochemistry-flow-cytometry-immunofluorescence-elisa/50478>