

Mouse anti-Human 4-1BB Antibody | anti-4-1BB antibody

Anti-4-1BB [BBK4], Mouse IgG1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72284	Mouse	Human	Flow Cytometry, Functional Assay, ELISA

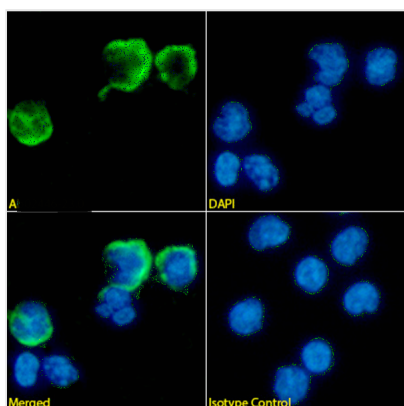
PRODUCT SYNONYMS

4-1BB; Anti-4-1BB [BBK4]; Mouse IgG1; CD137; MGC2172; Tumor necrosis factor receptor superfamily member 9; TNFRSF9; T cell antigen ILA; Interleukin activated receptor; 4-1BB ligand receptor; CDw137; T-cell antigen 4-1BB homolog; T-cell antigen ILA; BBK-4; anti-4-1BB antibody

PRODUCT SPECIFICATIONS

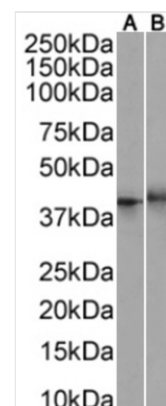
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1, Kappa
Clone Number	BBK4
Specificity	This antibody is specific for human CD137.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-4-1BB antibody	FCM/FACS (Flow Cytometry), ELISA, Antagonistic Antibody
Immunogen	The original antibody was raised by immunizing a mouse with CD137.
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 human peripheral blood leukocytes with anti-4-1BB (AAA72284) BBK4. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes stained with the chimeric rabbit IgG version of BBK4 (AAA72284-23.0) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72284-23.0, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-4-1BB antibody BBK4 (AAA72284). Human peripheral blood monocytes(A) (0.3ug/ml) cells lysate and human tonsil(B) (1ug/ml) tissue lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of BBK4 (AAA72284-23.0) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-4-1BB antibody	This antibody stimulates T-cell activity (Son et al, 2004; pmid:15087232). ELISA was performed using this antibody on E.coli expressed human 4-1BB (Son et al, 2004; pmid:15087232). Mixed lymphocyte reaction was investigated with fresh peripheral blood mononuclear cells using this antibody (Son et al, 2004; pmid:15087232). This antibody was used for flow cytometry on a subline of human Jurkat 8-1 cells (Son et al, 2004; pmid:15087232). This antibody promoted long-term proliferation of PBMC (Son et al, 2004; pmid:15087232).
Product Categories/Family for anti-4-1BB antibody	immunology ; cancer ; oncology
References	Son et al. Humanization of agonistic anti-human 4-1BB monoclonal antibody using a phage-displayed combinatorial library. J Immunol Methods. 2004 Mar;286(1-2):187-201. PMID:15087232

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730095
NCBI GeneID	3604
NCBI Accession #	NP_001552.2
NCBI GenBank Nucleotide #	NM_001561.5
UniProt Accession #	Q07011 ; AAB34924
Molecular Weight	27,899 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 9
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 9
NCBI Official Symbol	TNFRSF9
NCBI Official Synonym Symbols	ILA; 4-1BB; CD137; CDw137
NCBI Protein Information	tumor necrosis factor receptor superfamily member 9; CD137 antigen; T cell antigen ILA; T-cell antigen ILA; 4-1BB ligand receptor; homolog of mouse 4-1BB; receptor protein 4-1BB; T-cell antigen 4-1BB homolog; induced by lymphocyte activation (ILA); interl
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 9
UniProt Gene Name	TNFRSF9
UniProt Synonym Gene Names	CD137; ILA
UniProt Entry Name	TNR9_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/mouse-human-antibody/4-1bb/72284>