

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

Anti-4-1BB [BBK4], Rabbit IgG

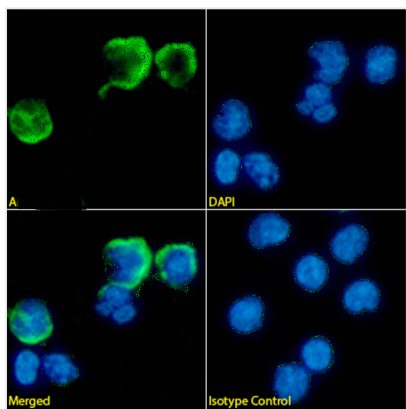
CATALOG # AAA72285	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

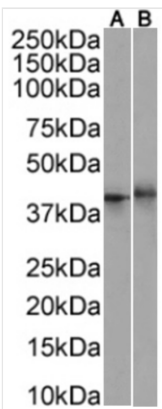
4-1BB; Anti-4-1BB [BBK4]; Rabbit IgG; CD137; MGC2172; Tumor necrosis factor receptor superfamily member 9; TNFRSF9; T cell antigen ILA; Interleukin activated receptor; 4-1BB ligand receptor; CDw137; T-cell antigen 4-1BB homolog; T-cell antigen ILA; BBK-4; anti-4-1BB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	Rabbit IgG, 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.
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.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



IF (Immunofluorescence)
Immunofluorescence staining of human peripheral blood leukocytes with anti-4-1BB (AAA72285) BBK4. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes stained with the chimeric rabbit IgG version of BBK4 (AAA72285-23.0) (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 AAA72285-23.0, 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 (AAA72285). 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 (AAA72285-23.0) 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.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-antibody/4-1bb/72285>