

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

Anti-4-1BB [4B4-1-1]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72195	Rabbit	Human	Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

4-1BB; Monoclonal Antibody; Anti-4-1BB [4B4-1-1]; 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; anti-4-1BB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	4B4-1-1
Specificity	This antibody binds to the human 4-1BB, which is expressed on the surface of activated T cells.
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-4-1BB antibody	Blocking, IHC (Immunohistochemistry), ELISA, 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.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-4-1BB antibody 4B4-1-1 (AAA72195) Human thymus(A), lymph node(B) and tonsil(C) tissue lysate (35ug protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 4B4-1-1 () at 0.3ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of fixed Jurkat cells with anti-4-1BB antibody 4B4-1-1 (AAA72195) Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of 4B4-1-1 () 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-4-1BB antibody	Recombinant monoclonal antibody to 4-1BB. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 4B4-1-1. The original antibody was generated by immunizing BALB/c mice with a fusion protein of human 4-1BB antigen and glutathione s transferase (GST).
References	Kim et al. Immunoregulatory effects of a monoclonal antibody to human 4-1 bb molecule on alloantigen-mediated immune responses. Proceedings of the Korean Society of Applied Pharmacology (1995), pg 82-82. Note on publication: Describes the generation of the antibody.

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/monoclonal/4-1bb-antibody-clone-4b4-1-1-immunohistochemistry-flow-cytometry-elisa/72195>