

TCR beta Recombinant Antibody | TCRbeta recombinant antibody

Anti-TCR beta [IARC307], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72502	Rabbit	human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

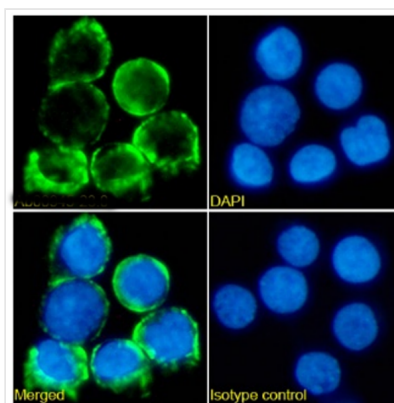
PRODUCT SYNONYMS

TCR beta; Monoclonal Recombinant Antibody; Anti-TCR beta [IARC307]; Rabbit IgG; kappa; IARC-307; TCR-beta; T cell receptor; T-cell receptor; T cell receptor beta chain; TCRB; TRB; TCB1; Ti; TCR V beta; IARC/307; IARC 307; TCRbeta recombinant antibody

PRODUCT SPECIFICATIONS

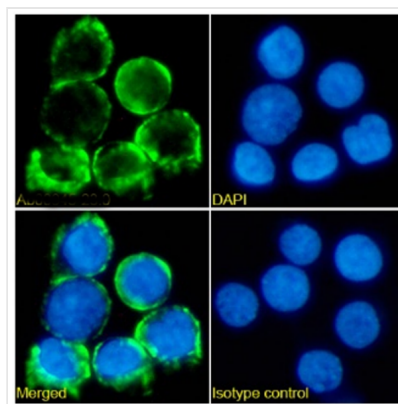
Host	Rabbit
Reactivity	human
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	IARC307
Specificity	This antibody is specific for Vbeta8.1 CDR1 sequence CKPISGHNSLFQWYRQT.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for TCRbeta recombinant antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgM 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



IF (Immunofluorescence)

Immunofluorescence staining of Jurkat cells with anti-TCRbeta (AAA72502) IARC307. Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shifox coverslips stained with the chimeric rabbit IgG version of IARC307 (AAA72502) at 10ug/ml for 1h followed by AlexaFluor488 secondary antibody (2ug/ml), showing membrane staining. The nuclei are stained DAPI (blue). Panels (top-left to bottom-right) show AAA72502, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with AlexaFluor488 secondary antibody.



IF (Immunofluorescence)

Immunofluorescence staining of Jurkat cells with anti-TCRβ (AAA72502) / IARC307. Immunofluorescence analysis of paraformaldehyde-fixed Jurkat cells on a slide. Cells were stained with the chimeric rabbit IgG version of IARC307 (AAA72502) at 10 μg/ml for 1 h, followed by Alexa Fluor 488 secondary antibody (2 μg/ml), showing membrane staining. The nucleus was stained with DAPI (blue). Panels (top to bottom): AAA72502, DAPI, merged channels, and 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 TCRβ recombinant antibody	Derived from normal B cells in peripheral blood of a Burkitt's lymphoma patient. Screened more than 60 culture supernatants from lymphoblastoid cell lines of normal origin, Epstein-Barr virus (EBV)-carrying Burkitt lymphomas, EBV-negative Burkitt lymphomas and EBV-converted sublines of original EBV-negative Burkitt lymphoma human B-cell lines for their capacity to bind the synthetic peptide autoantigens. One lymphoblastoid B-cell line was identified, IARC307, that produces IgM kappa antibodies which specifically react with the CDR1 peptide corresponding to human Vβ8.1 gene sequence.
References	Dedeoglu et al. Light and heavy chains specifying a human IgM kappa autoantibody to a T-cell receptor Vβ8.1 antigen. <i>Immunology Letters</i> , 38 (1993) 223-227. N/A8125530 Note on publication: Describes the generation of the antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862488
UniProt Accession #	P01850; A0A5B9
Molecular Weight	21.9 kDa
NCBI Official Full Name	T-cell receptor beta-1 chain C region
UniProt Protein Name	T-cell receptor beta-1 chain C region
UniProt Gene Name	TRBC1
UniProt Entry Name	TRBC1_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/monoclonal/tcr-beta-recombinant-antibody-clone-iarc307-immunofluorescence-flow-cytometry-elisa/72502>