

Product Datasheet

TCR beta Antibody (IARC307) - Chimeric - BSA Free NBP3-43545

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-43545

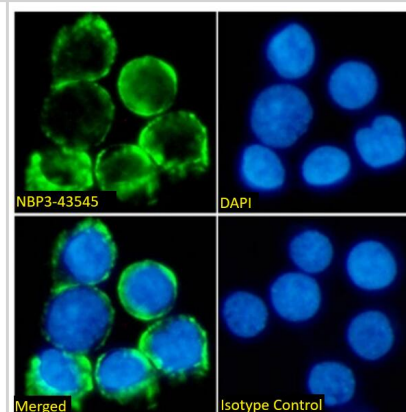
TCR beta Antibody (IARC307) - Chimeric - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	IARC307
Preservative	0.02% Proclin 300
Isotype	IgG
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	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.
Host	Rabbit
Gene ID	21577
Gene Symbol	Tcrb
Species	Human
Specificity/Sensitivity	This antibody is specific for Vbeta8.1 CDR1 sequence CKPISGHNSLFQWYRQT.
Immunogen	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 Vbeta8.1 gene sequence. (Uniprot# P01850; A0A5B9)
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence

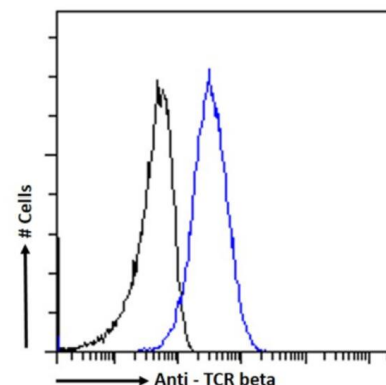


Images

Immunocytochemistry /Immunofluorescence: TCR beta Antibody (IARC307) - Chimeric - BSA Free [NBP3-43545] - Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix coverslips stained with NBP3-43545 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-43545, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



Flow Cytometry: TCR beta Antibody (IARC307) - Chimeric - BSA Free [NBP3-43545] - Paraformaldehyde fixed Jurkat cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-43545 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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Products Related to NBP3-43545

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
285-IF-100	IFN-gamma [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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