

Product Datasheet

TCR beta Antibody (H57-597) - Chimeric - Azide and BSA Free NBP3-20118-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP3-20118-0.2mg

TCR beta Antibody (H57-597) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	H57-597
Preservative	0.02% Proclin 300
Isotype	IgG Lambda
Purity	Protein A purified
Buffer	PBS

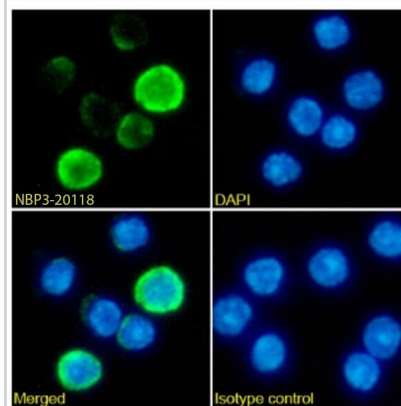
Product Description	
Description	Novus Biologicals Rabbit TCR beta Antibody (H57-597) - Chimeric - Azide and BSA Free (NBP3-20118) is a recombinant monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	21577
Gene Symbol	Tcrb
Species	Mouse
Specificity/Sensitivity	mAb H57-597 reacts with surface receptors on all alpha-beta TCR bearing cells, but does not react with receptors on gamma-delta T cells.
Immunogen	Hamsters were immunised with affinity purified DO-11.10 TCR, and produced detectable anti-TCR antibodies which were judged by the ability of the anti-sera to immunoprecipitate TCR from surface labelled DO-11.10 T cell hybridomas. Hamster 57 was selected for hybridisation, and B cell hybridomas were produced using polyethylene glycol fusion of hamster splenic B cells to the mouse myeloma variant. Selected mAb were screened after subsequent culturing for their ability to immunoprecipitate TCR from detergent lysates of surface-radiolabelled murine T cell hybridomas.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques. In an immobilised form, this antibody can directly activate T cells bearing alpha-beta TCR to produce IL-2.

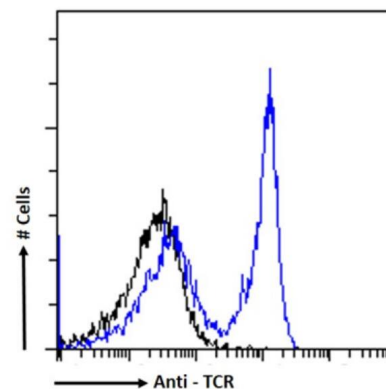


Images

Immunocytochemistry/Immunofluorescence: TCR beta Antibody (H57-597) - Chimeric - Azide and BSA Free [NBP3-20118] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of H57-597 (NBP3-20118) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-20118, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: TCR beta Antibody (H57-597) - Chimeric - Azide and BSA Free [NBP3-20118] - Paraformaldehyde fixed mouse splenocytes were stained with anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of H57-597 (NBP3-20118, 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(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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Products Related to NBP3-20118-0.2mg

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
485-MI-100	IFN-gamma [Unconjugated]
202-IL-010	IL-2 [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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