

# Product Datasheet

## TCR alpha Antibody (34) - Azide and BSA Free NBP2-52715-0.2mg

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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**NBP2-52715-0.2mg**

TCR alpha Antibody (34) - 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	34
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse TCR alpha Antibody (34) - Azide and BSA Free (NBP2-52715) is a recombinant monoclonal antibody validated for use in WB, ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6955
Gene Symbol	TRA
Species	Human
Specificity/Sensitivity	This antibody binds to the T-cell receptor alpha chains.
Immunogen	Purified recombinant soluble TCR from the T-cell hybridoma 85.33, corresponding to V alpha 11

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:1000, ELISA 1:100 - 1:2000, CyTOF-ready
Application Notes	This antibody is Cytof ready. This full-length, reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques. The antibody binds specifically to the recombinant and native variable domain of the alpha chain which comprises the T-cell receptor (TCR). The TCR is a disulfide-linked heterodimeric protein expressed on the surface of T-cells in complex with CD3 and zeta-chain molecules. The receptor functions in the recognition of MHC molecule and the subsequent activation of T-cells. The monoclonal antibody 34 recognises V-alpha regions of TCRs expressed in the 85.33 arthritogenic T-cell hybridoma and can be used to analyse TCR V gene expression and for immunotherapy in T cell mediated autoimmunity.





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### **Products Related to NBP2-52715-0.2mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **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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