

# Product Datasheet

## TCR alpha Antibody (34) - Chimeric - Azide and BSA Free NBP2-52684-0.2mg

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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Updated 10/19/2023 v.20.1

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**NBP2-52684-0.2mg**

TCR alpha Antibody (34) - Chimeric - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	34
<b>Preservative</b>	0.02% Proclin 300
<b>Isotype</b>	IgG Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	6955
<b>Gene Symbol</b>	TRA
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody binds to the T-cell receptor alpha chains.
<b>Immunogen</b>	Purified recombinant soluble TCR from the T-cell hybridoma 85.33, corresponding to V alpha 11

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:1000, ELISA 1:100 - 1:2000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready. This full-length, chimeric rabbit 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 NBP2-52684-0.2mg**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
H00006955-P01-10ug	Recombinant Human TCR alpha GST (N-Term) Protein
H00006955-P02-2ug	Recombinant Human TCR alpha GST (N-Term) Protein

### **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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