

Catalog	Unit
TBS10324-0.5MG	0.5 mg
TBS10324-1MG	1 mg
TBS10324-5MG	5 mg

**Description**

The InVivoMAb Anti-Mouse  $\alpha/\beta$  T-cell receptor (TCR) antibody recognizes the  $\alpha/\beta$  T cell receptor expressed on mouse thymocytes and peripheral T lymphocytes. The TCR  $\alpha/\beta$  complex, composed of TCR $\alpha$  and TCR $\beta$  chains, is a member of the immunoglobulin superfamily and plays a critical role in antigen recognition and T cell activation. In vivo administration of this antibody leads to the depletion of TCR  $\alpha/\beta$ -expressing T cells, making it a valuable tool for studies of T cell-mediated immune responses, immune regulation, and disease models in mice.

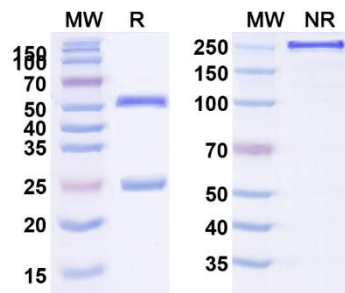
**Synonyms**

Anti-mouse TCR $\alpha\beta$  mAb, anti-mouse TCR $\alpha\beta$  monoclonal antibody, Anti-mouse  $\alpha\beta$  T-cell receptor (TCR) antibody.

**Product Details**

<b>Applications:</b>	ELISA, Neutralization
<b>Species reactivity:</b>	Mouse
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG2a, kappa
<b>Target:</b>	T-cell receptor beta-1 chain C region, T-cell receptor alpha chain C region.
<b>Uniprot:</b>	P01852
<b>Concentration:</b>	3 mg/ml
<b>Purity:</b>	>95%
<b>Formulation:</b>	Liquid
<b>Storage buffer:</b>	0.01M PBS, pH 7.4
<b>Purification:</b>	Protein A/G purified from cell culture supernatant.
<b>Clonality:</b>	Monoclonal
<b>Storage:</b>	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

**Data Image**



**Fig. 1. SDS-PAGE analysis of Anti-Mouse  $\alpha/\beta$  TCR antibody**  
 MW: Molecular Weight (kDa) Marker  
 R: Reducing conditions  
 NR: Non-Reducing conditions

**For research use only.**