

Catalog	Unit
TBS10319-0.5MG	0.5 mg
TBS10319-1MG	1 mg
TBS10319-5MG	5 mg

Description

InVivoMAb Anti-Mouse Cluster of Differentiation 152 (CD152) antibody specifically recognizes mouse Cytotoxic T-Lymphocyte Antigen 4 (CTLA-4), a 33-kDa inhibitory receptor belonging to the CD28 family that is expressed on activated T and B cells. CTLA-4 interacts with the B7 ligands CD80 and CD86 to transmit inhibitory signals that limit T-cell activation, support immune tolerance, and maintain immune homeostasis. The critical function of CTLA-4 is underscored by CTLA-4-deficient mice, which develop fatal lymphoproliferative disease. As a central immune checkpoint, CTLA-4 represents a major target in cancer immunotherapy. This antibody is widely used to block CTLA-4 signaling and has been demonstrated in multiple tumor models to effectively modulate T-cell responses, including the in vivo depletion of intratumoral regulatory T cells.

Synonyms

InVivoMAb anti-mouse CTLA-4 antibody, CD152 antibody.

Product Details

Applications:	ELISA, Neutralization
Species reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2b, kappa
Target:	Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, Ctl4, Cd152.
Uniprot:	P09793
Concentration:	3 mg/ml
Purity:	>95%
Formulation:	Liquid
Storage buffer:	0.01M PBS, pH 7.4
Purification:	Protein A/G purified from cell culture supernatant
Clonality:	Monoclonal
Storage:	Avoid repeated freeze-thaw cycles. Store -20°C up to 12 months, and -80°C for long term.

Data Image

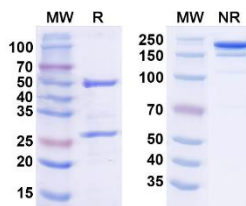


Fig. 1. SDS-PAGE analysis of Anti-Mouse CD152 antibody

MW: Molecular Weight (kDa) Marker

R: Reducing conditions; NR: Non-Reducing conditions

For research use only.