

***InVivoPro* Anti-Mouse CTLA-4 (CD152) *in vivo* antibody, Clone 9D9**

Cat #: IV0109

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Product Information

Isotype:	Mouse IgG2b
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>In vivo</i> CTLA-4 neutralization, Western blot
Recommended Isotype Control:	Mouse IgG2b Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μ M filtered
Purification:	Protein A or G
Recommended Dose Range:	200-500 μ g per mouse; or 10-20 mg/kg. This range is based off the most recent publication data using the 9D9 clone <i>in vivo</i> . Each investigator should determine their own optimal working dilution for specific applications.
Storage:	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

Background

CTLA-4 is a 33 kD member of the Ig superfamily similar to CD28 in amino acid sequence, structure, and genomic organization. CTLA-4 is a protein receptor that functions as an immune checkpoint and downregulates immune responses. It is involved in the development of protective immunity and thymocyte regulation, in addition to the induction and maintenance of immunological tolerance. CTLA-4 has therapeutic potential both as an agonist to reduce immune activity, and an antagonist to increase immune activity.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.