

*InVivo*Pro Anti-Mouse CTLA-4 (CD152) *in vivo* antibody, Clone 9H10

Cat #: IV0112

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

Product Information

lsotype:	Syrian hamster IgG
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	In vivo CTLA-4 neutralization
Recommended Isotype Control:	Syrian hamster IgG Isotype Control
Endotoxin:	\leq 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μM filtered
Purification:	Protein A or G
Recommended Dose Range:	200-300 μg per mouse; or 10-15 mg/kg. This range is based off the most recent
	publication data using the 9H10 clone in vivo. 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 $^\circ\text{C}.$ For long term
	storage, aliquot in working volumes without diluting and store at -20°C or -80°C.
	Avoid repeated freeze thaw cycles.

Background

CTLA4 (Cytotoxic T-Lymphocyte Antigen 4) also known as CD152, is a protein which is expressed on the surface of Helper T cells and plays an important regulatory role in the immune system. CTLA4 is a member of the immunoglobulin superfamily, expressed on the surface of Helper T cells. CTLA4 transmits an inhibitory signal to T cells. CTLA4 is potentially therapeutic in auto-immune diseases4, such as rheumatoid arthritis, HIV, autoimmune thyroid disease, multiple sclerosis and may also be useful during organ transplantation and cancer treatment. Clone 9H10 antibody has been shown to promote T cell co-stimulation by blocking CTLA4 binding, allowing for CD28 binding.

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