

InVivoPro Anti-Mouse CD3ε *in vivo* antibody, Clone 145-2C11

Cat #: IV0121

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

Product Information

Isotype:	Armenian Hamster IgG
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> T cell depletion, <i>in vitro</i> T cell stimulation, Flow cytometry, Western blot, Immunohistochemistry(Frozen)
Recommended Isotype Control:	Armenian Hamster IgG 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:	2-5 μ g/mL for <i>in vitro</i> ; 200 μ g per mouse. This range is based off the most recent publication data using the 145-2C11 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

CD3ε is a 20 kD transmembrane protein and is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.

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