*InVivo*Pro Anti-Mouse IL-10 *in vivo* antibody, Clone JES5-2A5

Cat #: IV0155 **Size: 1mg, 5mg, 25mg, 50mg, 100mg**

Product Information

Isotype:	Rat IgG1 κ
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific
Applications:	*In vivo* IL-10 neutralization, *in vitro* IL-10 neutralization
Recommended Isotype Control:	Rat IgG1 Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μM filtered
Purification:	Protein A or G
Recommended Dose Range:	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

IL-10 is a 17-21 kDa cytokine which is primarily produced by monocytes and, to a lesser extent, Th2 cells, mast cells, T regulatory cells, and certain subsets of activated T and B cells. IL-10 has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggest that this cytokine is an essential immunoregulator in the intestinal tract. The JES5-2A5 antibody has been shown to neutralize the bioactivity of IL-10.

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