

***InVivoPro* Anti-Mouse IL-23 (p19) *in vivo* antibody, Clone G23-8**

Cat #: IV0136

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:	<i>In vivo</i> IL-23p19 neutralization
Recommended Isotype Control:	Rat IgG1 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:	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-23 is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages. IL-23 has been shown to enhance IFN γ production by memory T cells. Additionally, mouse IL-23 induces the proliferation of memory T cells (but not naive T cells), whereas IL-12 has no effect on memory cells. Mouse IL-23 (but not IL-12) can also activate mouse memory T cells to produce the potent proinflammatory cytokine IL-17. IL-23 has been shown to be upregulated in certain autoimmune diseases and promote immunity in response to some viral and mycobacterial infections. The G23-8 monoclonal antibody reacts with the p19 subunit of mouse IL-23.

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