

IL11

Mouse Anti-Human Interleukin-11 mAb

Catalog No.	CMI247	Quantity:	500 µg
Alternate Names:	IL-11, Adipogenesis Inhibitory Factor, AGIF, Oprelvekin		
Description:	Interleukin-11 has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-6. IL-11 exerts its biological activities through binding to a specific high-affinity receptor complex consisting of an IL-11 receptor chain and gp130.		
UniProt ID:	P20809		
Gene ID:	3589		
Specificity:	Recognizes human IL-11		
Host:	BALB/c x C57BL/6F1 mouse		
Immunogen:	Recombinant human IL-11		
Isotype:	IgG1		
Formulation:	Lyophilized from PBS		
Purification:	Protein G affinity chromatography from ascites fluid.		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to fully solubilize the antibody to a concentration of 1.0 mg/ml. Do not vortex.		
Applications:	ELISA: when used at a concentration of 8-9 µg/ml (assuming 100 µl/well antibody solution), in conjunction with biotinylated antigen affinity purified anti-human IL11 as the detection antibody at a concentration of at least 2 µg/ml, allows the detection of at least 0.2 ng/well. Neutralization: requires a concentration of 2.4-3.6 µg/ml to yield one-half maximal inhibition [ND ₅₀] of the biological activity of human IL11 (5.0 ng/ml). Immunostaining: This antibody stained human brain stroke (including control cortex and stroke core areas) tissue. The primary antibody was incubated at 2.5 µg/ml overnight at 2-8 °C This was followed by a fluorophore conjugated secondary antibody. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store lyophilized antibody at -20°C to -80°C for up to 1 year. Reconstituted antibody is stable at 2-8°C for at least six weeks or stored in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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