

IL12B

Mouse Anti-Human IL-12 / IL-23 p40 (Clone AW-1) mAb

Catalog No.	CMI024	Quantity:	0.5 mg
Alternate Names:	Interleukin-12 subunit beta, IL-12B, IL-12p40, IL-23p40, Cytotoxic lymphocyte maturation factor 40 kDa subunit, NK cell stimulatory factor chain 2		
Description:	This monoclonal antibody to human IL-12 /IL-23 p40 (clone AW-1) recognizes the p40 subunit. The AW-1 antibody can be successfully used for <i>in vitro</i> neutralization assays.		
UniProt ID:	P29460		
Gene ID:	3593		
Source:	Produced <i>in vitro</i> using serum free medium.		
Specificity:	Binds both native and recombinant human IL-12 and IL-23 heterodimers, via the p40 subunit, <i>in vitro</i> . Blocks IL-12-induced proliferation of PHA and IL-2-activated lymphocytes.		
Isotype:	Mouse IgG ₁		
Clone:	AW-1		
Biological Activity:	$\geq 10^3$ neutralizing units/mg protein One neutralizing unit is defined as the amount of antibody sufficient to inhibit 50% of the release of IFN- γ by human PBMC (2×10^5 cells/well) stimulated with 1ng human IL-12		
Formulation:	Lyophilized from sterile filtered PBS, containing 125 mM Trehalose.		
Purification:	Ion Exchange Chromatography		
Reconstitution:	Centrifuge vial briefly before opening. Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended). Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Quantitation:	$E^{0.1\%}_{280\text{nm}} = 1.4$ for a 1 mg/ml solution.		
Applications:	<i>In vitro</i> neutralization		
Storage & Stability:	Lyophilized product is stable for at least one year at 2-8°C. After reconstitution, the contents can be safely stored at 2-8°C for one month or for one year in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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