

IL27

Mouse Anti-Human IL-27 (Clone B-G49) Biotin Detection mAb

Catalog No.	CDM434	Quantity:	100 µg
Alternate Names:	p28; IL30; IL-27; IL27A; IL-27A; IL27p28		
Description:	The mouse monoclonal antibody recognizes human IL-27, one of the subunits of a heterodimeric cytokine complex. IL-27 is related to IL-12A. It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to IL-12B, and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4+ T cells. The complex is also found to synergize strongly with IL-12 to trigger interferon gamma (IFN-g) production by naive CD4+ T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).		
Gene ID:	246778		
UniProtKB:	Q8NEV9		
Concentration:	100 µg/mL		
Specificity:	Recognizes both native and recombinant IL-27		
Host:	Mouse		
Isotype:	IgG2a		
Immunogen:	Recombinant IL-27		
Clone:	B-G49		
Conjugation:	Biotin		
Formulation:	Liquid in PBS with 1% BSA and 0.09% sodium azide.		
Applications:	ELISA		
Application Notes:	ELISA - Detection: This antibody can be used as a detection antibody in a human IL-27 sandwich immunoassay to detect human IL-27 in combination with human IL-27 capture antibody (Cat. No. CDM410). The suggested coating concentration range is 0.05 - 0.5 µg/mL, however optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at 2-8°C for up to one year. For longer storage, freeze in working aliquots at -20 °C. Avoid repeated freeze-thaw cycles.		
Statement:	PPE is recommended when working with products containing sodium azide.		

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