

## IL27 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant IL27.

Catalog # AT2518a

### Product Information

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<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">Q8NEV9</a>
<b>Other Accession</b>	<a href="#">NM_145659</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	3F12
<b>Calculated MW</b>	27493

### Additional Information

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<b>Gene ID</b>	246778
<b>Other Names</b>	Interleukin-27 subunit alpha, IL-27 subunit alpha, IL-27-A, IL27-A, Interleukin-30, p28, IL27, IL27A, IL30
<b>Target/Specificity</b>	IL27 (NP_663634, 177 a.a. ~ 243 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IP~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	IL27 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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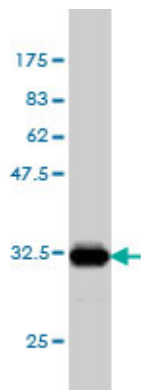
The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).

### References

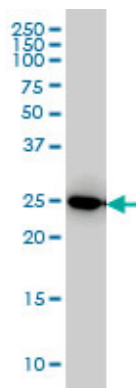
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Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. *Pediatr Pulmonol*, 2010 Jun. PMID 20503287. A pivotal role for interleukin-27 in CD8+ T cell functions and generation of cytotoxic T lymphocytes. Morishima N, et al. *J Biomed Biotechnol*, 2010. PMID 20454646. Activation of IL-27 p28 gene transcription by interferon regulatory factor 8 in cooperation with interferon regulatory factor 1. Zhang J, et al. *J Biol Chem*, 2010 Jul 9. PMID 20435892. Cytokines involved in interferon-gamma production by human macrophages. Robinson CM, et al. *J Innate Immun*, 2009 Dec. PMID 20375623. Activation of human bronchial epithelial cells by inflammatory cytokines IL-27 and TNF-alpha: implications for immunopathophysiology of airway inflammation. Cao J, et al. *J Cell Physiol*, 2010 Jun. PMID 20301193.

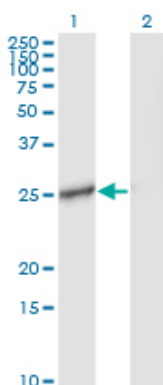
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.11 kDa) .



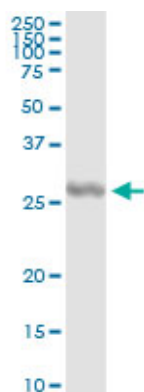
IL27 monoclonal antibody (M01), clone 3F12 Western Blot analysis of IL27 expression in HeLa (Cat # AT2518a)



Western Blot analysis of IL27 expression in transfected 293T cell line by IL27 monoclonal antibody (M01), clone 3F12.

Lane 1: IL27 transfected lysate (27.5 kDa).  
Lane 2: Non-transfected lysate.

Immunoprecipitation of IL27 transfected lysate using anti-IL27 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with IL27 MaxPab rabbit polyclonal antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.