



# IL-21 Monoclonal Antibody

<b>Catalog No</b>	BYmab-15935
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	IL21
<b>Protein Name</b>	Interleukin-21
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IL21. AA range:91-140
<b>Specificity</b>	IL-21 Monoclonal Antibody detects endogenous levels of IL-21 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	IL21; Interleukin-21; IL-21; Za11
<b>Observed Band</b>	18kD
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.
<b>Function</b>	function:Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.,similarity:Belongs to the IL-15/IL-21 family.,tissue specificity:Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.,

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## Background

This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],

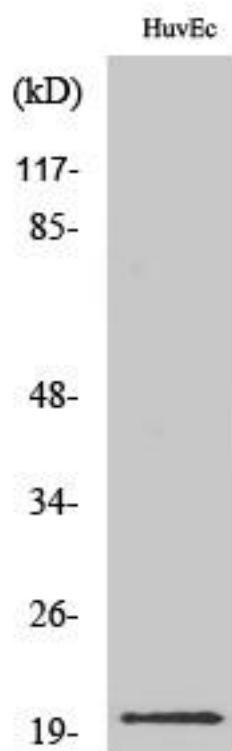
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using IL-21 Monoclonal Antibody