

## IL-34 Monoclonal Antibody

<b>Catalog No :</b>	YM0371
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IF;FCM;ELISA
<b>Target :</b>	IL-34
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor
<b>Gene Name :</b>	IL34
<b>Protein Name :</b>	Interleukin-34
<b>Human Gene Id :</b>	146433
<b>Human Swiss Prot No :</b>	Q6ZMJ4
<b>Mouse Swiss Prot No :</b>	Q8R1R4
<b>Immunogen :</b>	Purified recombinant fragment of human IL-34 expressed in E. Coli.
<b>Specificity :</b>	IL-34 Monoclonal Antibody detects endogenous levels of IL-34 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	27kD

**P References :**

1. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24.
2. Lim J, et al. Cell, 2006 May 19.
3. Lin H, et al. Science, 2008 May 9.

**Background :**

Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008],

**Function :**

function:Cytokine that promotes the differentiation and viability of monocytes and macrophages. Stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1. Ligand for colony-stimulating factor-1 receptor CSF1R.,similarity:Belongs to the IL-34 family.,subunit:Homodimer.,tissue specificity:Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen. Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.,

**Subcellular Location :**

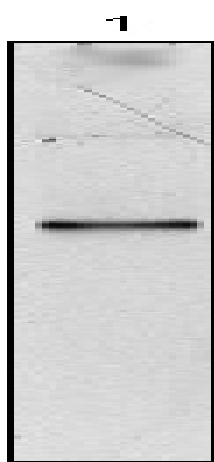
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**Expression :**

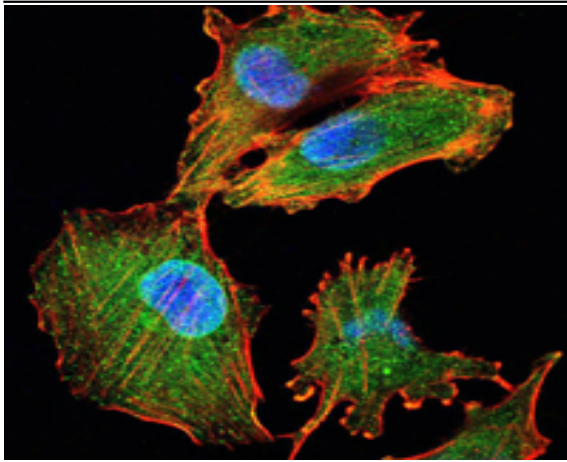
Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen. Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.

## Products Images

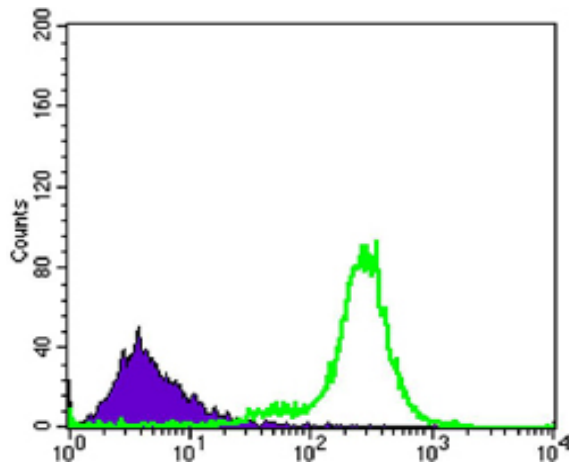
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120  
100  
80  
70  
60  
40  
34  
28  
17



Western Blot analysis using IL-34 Monoclonal Antibody against IL-34-hlgGfc transfected HEK293 cell lysate.



Immunofluorescence analysis of U251 cells using IL-34 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of K562 cells using IL-34 Monoclonal Antibody (green) and negative control (purple).