

## CRLF1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CRLF1.

Catalog # AT1626a

### Product Information

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<b>Application</b>	WB, IP, E
<b>Primary Accession</b>	<a href="#">O75462</a>
<b>Other Accession</b>	<a href="#">NM_004750</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	4F4
<b>Calculated MW</b>	46302

### Additional Information

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<b>Gene ID</b>	9244
<b>Other Names</b>	Cytokine receptor-like factor 1, Cytokine-like factor 1, CLF-1, ZcytoR5, CRLF1
<b>Target/Specificity</b>	CRLF1 (NP_004741, 135 a.a. ~ 230 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 E~~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>	CRLF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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This gene encodes a member of the cytokine type I receptor family. The protein forms a secreted complex with cardiotrophin-like cytokine factor 1 and acts on cells expressing ciliary neurotrophic factor receptors. The complex can promote survival of neuronal cells. Mutations in this gene result in Crisponi syndrome and cold-induced sweating syndrome.

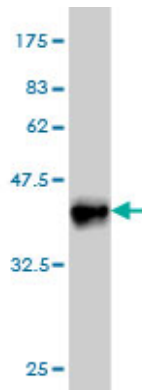
### References

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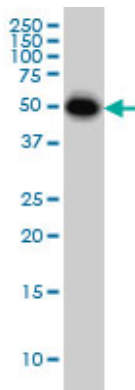
Cytokine receptor-like factor 1 is highly expressed in damaged human knee osteoarthritic cartilage and involved in osteoarthritis downstream of TGF-beta. Tsuritani K, et al. Calcif Tissue Int, 2010 Jan. PMID 19921088. Crisponi syndrome is caused by mutations in the CRLF1 gene and is allelic to cold-induced

sweating syndrome type 1. Crisponi L, et al. Am J Hum Genet, 2007 May. PMID 17436252. Mutations in cytokine receptor-like factor 1 (CRLF1) account for both Crisponi and cold-induced sweating syndromes. Dagoneau N, et al. Am J Hum Genet, 2007 May. PMID 17436251. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Signal peptide prediction based on analysis of experimentally verified cleavage sites. Zhang Z, et al. Protein Sci, 2004 Oct. PMID 15340161.

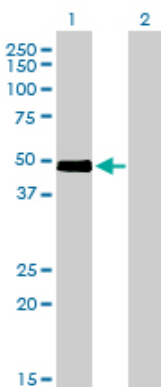
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .

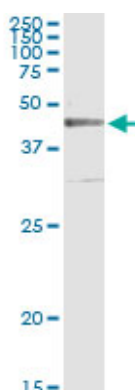


CRLF1 monoclonal antibody (M01), clone 4F4 Western Blot analysis of CRLF1 expression in HeLa (Cat # AT1626a )

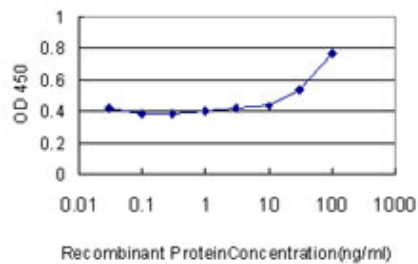


Western Blot analysis of CRLF1 expression in transfected 293T cell line by CRLF1 monoclonal antibody (M01), clone 4F4.

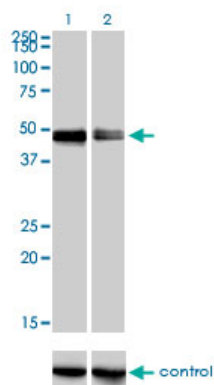
Lane 1: CRLF1 transfected lysate (46.3 KDa).  
Lane 2: Non-transfected lysate.



Immunoprecipitation of CRLF1 transfected lysate using anti-CRLF1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with CRLF1 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged CRLF1 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of CRLF1 over-expressed 293 cell line, cotransfected with CRLF1 Validated Chimera RNAi (Cat # AT1626a )

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