
Product Name: KD-Validated CRLF3 Mouse Monoclonal Antibody**Catalog #: KVA00577**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 49.8kDa

Antigen Information

Gene Name	CRLF3 CRLF3; Cytokine Receptor Like Factor 3; CREME9; CYTOR4; Cytokine Receptor-Like Factor 3;
Alternative Names	Type I Cytokine Receptor-Like Factor P48; Cytokine Receptor-Related Protein 4; Cytokine Receptor-Like Molecule 9; CREME-9; CRLM9; P48.2; FRWS; P48
Gene ID	51379.0
SwissProt ID	Q8IUI8
Immunogen	Recombinant protein of human CRLF3

Background

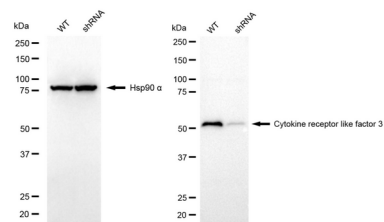
This gene encodes a cytokine receptor-like factor that may negatively regulate cell cycle progression at the G0/G1 phase. Studies of the related rat protein suggest that it may regulate neuronal morphology and synaptic vesicle biogenesis. This gene

is one of several genes located in the neurofibromatosis type I tumor suppressor region on the q arm of chromosome 17, a region that is subject to microdeletions, duplications, chromosomal breaks and rearrangements. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 2 and 5. [provided by RefSeq, Aug 2012]

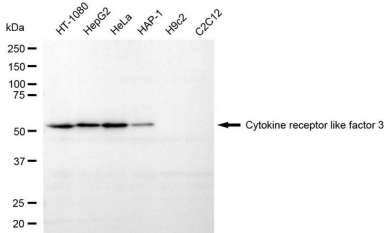
Research Area

Immunology

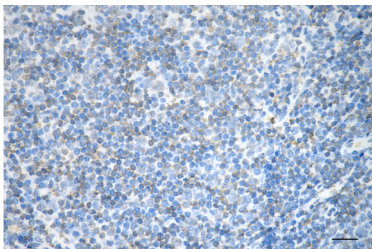
Image Data



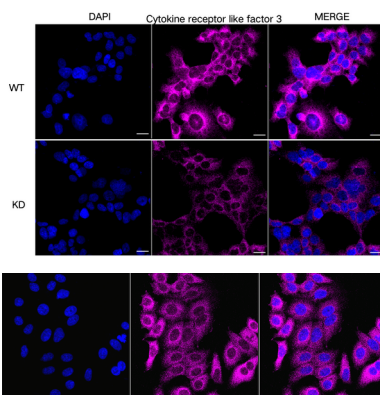
Western blotting analysis using cytokine receptor like factor 3 antibody (KVA00577). Cytokine receptor like factor 3 expression in wild-type (WT) and cytokine receptor like factor 3 (CRLF3) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with cytokine receptor like factor 3 antibody (KVA00577, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using cytokine receptor like factor 3 antibody (KVA00577). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with cytokine receptor like factor 3 antibody (KVA00577, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.

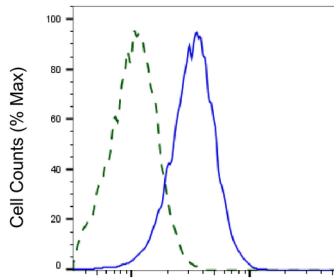


Immunohistochemistry was performed on paraffin-embedded human lymphoma using cytokine receptor like factor 3 antibody (KVA00577, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40 $\times$ objective). Scale bar: 25 μ m.



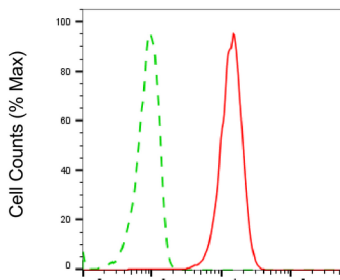
Immunocytochemical staining of HeLa cells using Cytokine receptor like factor 3 antibody (KVA00577, 1:1,000). Top panel: wild-type (WT); Bottom panel: Cytokine receptor like factor 3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Cytokine receptor like factor 3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.

Immunocytochemical staining of HepG2 cells with Cytokine receptor like factor 3 antibody (KVA00577, 1:500). Nuclei were stained blue with DAPI; Cytokine receptor like factor 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Cytokine receptor like factor 3-Alexa Fluor® 647

Validation of Cytokine receptor like factor 3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Cytokine receptor like factor 3 antibody (KVA00577, 1:2,000) and analyzed using BD flow cytometer.



Cytokine receptor like factor 3-Alexa Fluor® 647

Flow cytometric analysis of Cytokine receptor like factor 3 expression in HepG2 cells using Cytokine receptor like factor 3 antibody (KVA00577, 1:2,000). Green, isotype control; red, Cytokine receptor like factor 3.