

Human CRLF2 antibody

Catalog Number: ATGA0271

PRODUCT INFORMATION

Catalog number

ATGA0271

Clone No.

AT4E7

Product type

Monoclonal Antibody

UnitProt No.

Q9HC73

NCBI Accession No.

NP_071431

Alternative Names

Cytokine receptor-like factor 2 isoform 1 precursor, CRL2, CRLF2Y, TSLPR, Cytokine receptor-like factor 2 isoform 1, CRLF2, Cytokine receptor-like 2, ILXR, Thymic stromal lymphopoietin protein receptor, TSLP receptor

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human CRLF2 (23-231aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, FACS

Usage

The antibody has been tested by ELISA, Western blot and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

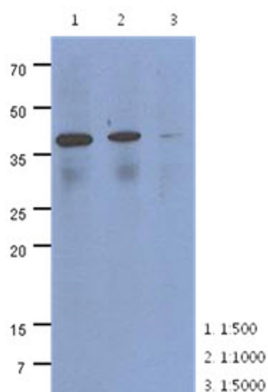
CRLF2 is cytokine receptor-like factor 2. Cytokine signals are mediated through specific receptor complexes, the components of which are mostly members of the type I cytokine receptor family. Type I cytokine receptors share conserved structural features in their extracellular domain. Receptor complexes are typically heterodimeric, consisting of alpha chains, which provide ligand specificity, and beta (or gamma) chains, which are required for the formation of high-affinity binding sites and signal transduction.

General References

Blagoev B, Nielsen MM, Angrist M, et al. (2002). *Gene* 284 (1-2): 161-8.
 Reche PA, Soumelis V, Gorman DM, et al. (2001). *J. Immunol.* 167 (1): 336-43.

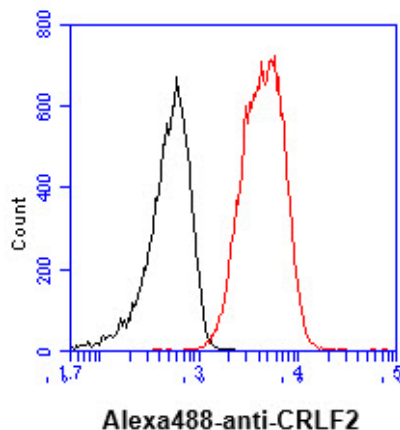
DATA

Western blot analysis (WB)



The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CRLF2 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Flow cytometry (FACS)



Flow cytometry analysis of CRLF2 in PBMC (Peripheral blood mononuclear cell), staining at 2-5ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).