

IL-17RA polyclonal antibody

Catalog: BS67632

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Receptor for IL17A and IL17F, major effector cytokines of innate and adaptive immune system involved in anti-microbial host defense and maintenance of tissue integrity. Receptor for IL17A .

Receptor for IL17F . Binds to IL17A with higher affinity than to IL17F . Binds IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RC . Also binds heterodimers formed by IL17A and IL17F as part of a heterodimeric complex with IL17RC . Cytokine binding triggers homotypic interaction of IL17RA and IL17RC chains with TRAF3IP2 adapter, leading to TRAF6-mediated activation of NF-kappa-B and MAP-kinase pathways, ultimately resulting in transcriptional activation of cytokines, chemokines, antimicrobial peptides and matrix metalloproteinases, with potential strong immune inflammation . Involved in antimicrobial host defense primarily promoting neutrophil activation and recruitment at infection sites to destroy extracellular bacteria and fungi (By similarity).

In secondary lymphoid organs, contributes to germinal center formation by regulating the chemotactic response of B cells to CXCL12 and CXCL13, enhancing retention of B cells within the germinal centers, B cell somatic hypermutation rate and selection toward plasma cells (By similarity). Plays a role in the maintenance of the integrity of epithelial barriers during homeostasis and pathogen infection. Stimulates the production of antimicrobial beta-defensins DEFB1, DEFB103A, and DEFB104A by mucosal epithelial cells, limiting the entry of microbes through the epithelial barriers (By similarity). Involved in antiviral host defense through various mechanisms. Enhances immunity against West Nile virus by promoting T cell cytotoxicity. Contributes to Influenza virus clearance by driving the differentiation of B-1a B cells, providing for production of virus-specific IgM antibodies at first

line of host defense . Receptor for IL17C as part of a heterodimeric complex with IL17RE.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 160 kDa

Swiss-Prot:

Q96F46

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

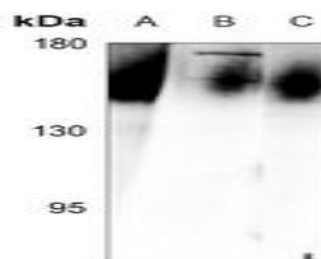
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of IL-17RA protein.

DATA:



Western blot analysis of IL-17RA expression in rat spleen (A), mouse lung (B), MCF7 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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PRODUCT DATA SHEET

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