

Anti-Human IL-21R Polyclonal Antibody

CATALOG #: 5554-100

AMOUNT: 100 µg

LOT #: _____

FORMULATION:

100 µg (0.5 mg/ml) affinity-purified rabbit anti-human IL-21R polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

IMMUNOGEN: Synthetic peptide corresponding to amino acids 20-32 of human IL-21R precursor.

SPECIES REACTIVITY: human

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

IL-21 is a novel cytokine that was recently identified in human and mouse. It has significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21 (IL-21R, also termed NLR for novel interleukin receptor) is a new member of the class I cytokine receptor family. IL-21R forms a complex with the common cytokine receptor γ chain and mediates IL-21 signaling. IL-21 and its receptor activates JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, HL-60, and THP-1 cell lines. IL-21 plays an important role in the proliferation and maturation of NK, B and T cell populations.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1 µg/ml). However, the optimal conditions should be determined individually. Human A431 cell lysates can be used as a positive control and an approximately 60 kDa band should be detected.

For Research Use Only! Not to be used in human.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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