

# IL-12 R $\beta$ 1 Polyclonal Antibody

**CATALOG #:** 3660-50

**AMOUNT:** 50  $\mu$ g

**LOT #:** \_\_\_\_\_

## FORMULATION:

50  $\mu$ g (0.5 mg/ml) affinity purified goat anti-human IL-12 R $\beta$ 1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

**SPECIES REACTIVITY:** human

## STORAGE CONDITIONS:

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

## BACKGROUND:

Interleukin 12 (IL-12) is a key mediator of cellular-immunity and differentiation. The biological activities of IL-12 are mediated through the high-affinity receptor complex composed of two subunits designated IL-12 R $\beta$ 1 and IL-12 R $\beta$ 2. Individually, IL-12 R $\beta$ 1 and IL-12 R $\beta$ 2 bind IL-12 with low affinity. Co-expression of both subunits confers high-affinity binding and is required for IL-12 activity. Expression of IL-12 R $\beta$ 1 has been detected in activated T cells, NK cells and B cells. The expression of IL-12 R $\beta$ 2 is more restricted and appears to be limited to Th2 cells.

## APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-1  $\mu$ g/ml). However, the optimal conditions should be determined individually.

**NOTE:** For Research Use Only! Not to be used in human!

## RELATED PRODUCTS:

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- 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

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- 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

- cAMP & cGMP Assay Kits
- 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
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines

### Monoclonal and Polyclonal Antibodies