

## IL-21 (IN) Polyclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 41008

**Size:** 100 ug IgG in PBS, pH 7.4,  
purified by immunoaffinity  
chromatography.

### **SPECIFICATION SUMMARY**

**Antigen:** Peptide corresponding to aa  
121-135 of human IL-21 precursor.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide

### **SPECIFICITY**

This antibody recognizes human IL-21, a cytokine that has significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21, IL-21R, complexes with the common cytokine receptor  $\gamma$  chain,  $\gamma_c$ , and mediates IL-21 signaling. IL-21 and its receptor activate the JAK-STAT signaling pathway. IL-21 is expressed in activated T cells and the HL-60 and THP-1 cell lines. IL-21 is associated with the proliferation and maturation of NK, B and T cell populations.

### **APPLICATIONS**

*Immunoblotting:* use at 0.5-1 ug/ml. In immunoblots, a band of 18 kD is detected.

*Positive control:* HL60 or THP-1 cell lysates.

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium which is identical to that used in the assay system.

### **STORAGE AND STABILITY**

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*