

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-22BP in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human IL-22 R is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-22BP Thr22-Pro231 Accession # NP_851826
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Interleukin 22 binding protein (IL-22BP), also known as cytokine receptor family (CRF) 2-10, CRF2-X, and IL-22 RA2, is a secreted glycoprotein belonging to the type II cytokine receptor family. The IL-22BP gene has been localized to chromosome 6 near the gene for IFN-γ R1. It encodes a precursor protein of 231 amino acid (aa) residues with a 21 aa putative signal peptide and five potential N-linked glycosylation sites. IL-22BP lacks a transmembrane and cytoplasmic domain and is most closely related to the extracellular domains of IL-22 R (CRF2-9) and IL-20 R (CRF2-8), sharing 33% and 34% aa sequence identity, respectively. It also shares sequence homology with the extracellular domains of IL-10 R (29%), IL-10 Rβ (30%), the IFN receptors (23-25%) and tissue factor (26%). IL-22BP antagonizes IL-22 activity by specifically binding IL-22 with high affinity and blocking its interaction with the cell surface IL-22 receptor heteromeric complex composed IL-22 R and IL-20 R. IL-22BP is expressed in multiple tissues. The highest levels of expression are found in breast, lungs and colon.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.