

Datasheet for 209-406-J33**IL-22 Antibody Biotin Conjugated****Overview**

Description:	Anti-Human IL-22 (RABBIT) Antibody Biotin Conjugated - 209-406-J33
Item No.:	209-406-J33
Size:	100 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Interleukin-22 (IL-22) is a member of a group of cytokines called IL-10 family member, produced by activated dendritic cells and T lymphocytes. IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals via the IL-22R and IL-10R β receptors to act as a potent mediator of the cellular inflammatory response. Recombinant human IL-22 is a non-disulfide-linked homodimer with a total molecular weight of 33.6 kDa. Anti-IL-22 antibody is ideal for researchers interested in cytokines and stem cell research.
Synonyms:	rabbit anti-IL-22 Biotin conjugated antibody, rabbit anti-interleukin-22 biotin conjugated antibody, Interleukin22, IL22, ILTIF, ZCYTO18, IL22, Cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Gene Name:	IL22
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-IL-22 antibody was prepared from rabbit antiserum after repeated immunizations with a truncated form of recombinant human IL-22 protein from E. coli.
Purity/Specificity:	Anti-IL-22 is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human IL-22 protein. A BLAST analysis was used to suggest cross-reactivity with IL-22 from human sources based on 100% homology with the immunizing sequence. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Rabbit Serum. Cross-reactivity with IL-22 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9GZX6 • NCBI - NP_065386.1 • GeneID - 50616

Application Details

Application Note:	IL-22 purified antibody is suitable for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 20 kDa in size corresponding to the human IL-22 protein by western blotting in appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:50,000
WB:	1:1000-1:2000

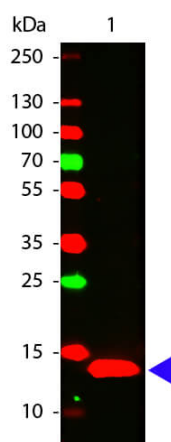
Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-IL-22 antibody. Lane 1: Human IL-22 Recombinant Protein. Load: 50 ng per lane. Primary antibody: IL-22 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody (611-143-002) at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 14 kDa, 14 kDa for Human IL-22. Other band(s): None.

Disclaimer

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