

Datasheet for ABIN1449496
anti-IL-33 antibody (Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	50 µg
Target:	IL-33 (IL33)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-33 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) E.coli derived recombinant Human Interleukin 33
Purification:	Affinity Chromatography

Target Details

Target:	IL-33 (IL33)
Alternative Name:	Interleukin-33 (IL33) (IL33 Products)
Background:	Interleukin 33 (IL-33) is a 32 kDa proinflammatory cytokine and intracellular nuclear factor with transcriptional regulatory properties. IL-33 is structurally related to IL-1, which induces helper T-cells to produce type 2 cytokines and acts through the receptor IL1RL-1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can

Target Details

be divided to N-terminal fragment of 12 kDa and C-terminal fragment of 18 kDa by cleavage of caspase-1. Synonyms: C9orf26, IL-1F11, IL-33, IL1F11, Interleukin-1 family member 11, NF-HEV, NFHEV, Nuclear factor from high endothelial venules

Gene ID: 90865

NCBI Accession: [NP_001186569](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives

Preservative: Without preservative

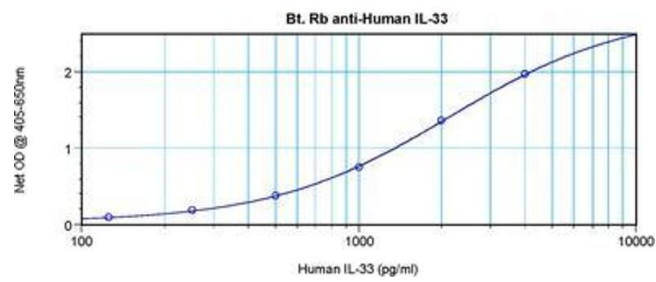
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

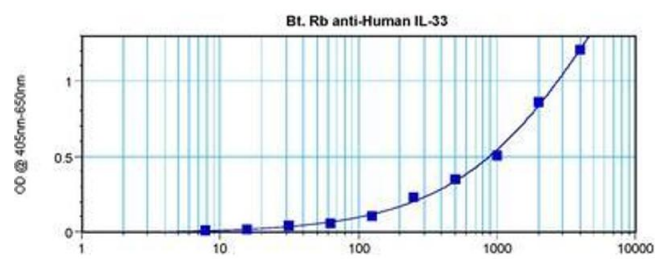
Enzyme Immunoassay

Image 1. Direct ELISA using Interleukin-33 antibody



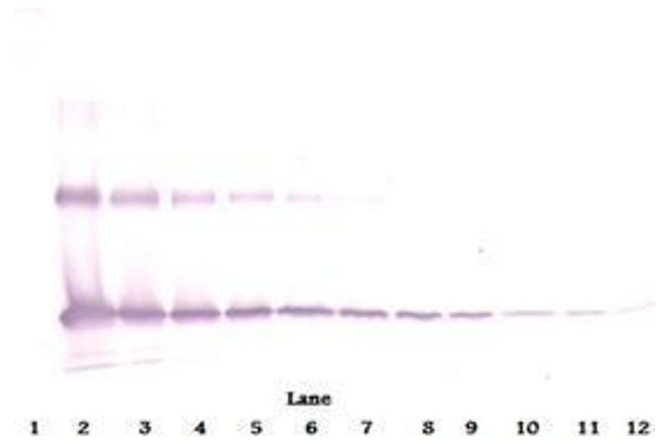
Enzyme Immunoassay

Image 2. Sandwich ELISA using Interleukin-33 antibody



Western Blotting

Image 3. Western Blot reduced using Interleukin-33 antibody



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1449496.