




Product datasheet

Biotin Anti-IL-1 alpha antibody ab271226

2 Images

Overview

Product name	Biotin Anti-IL-1 alpha antibody
Description	Biotin Rabbit polyclonal to IL-1 alpha
Host species	Rabbit
Conjugation	Biotin
Tested applications	Suitable for: WB, Sandwich ELISA
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Human 
Immunogen	Recombinant fragment corresponding to Human IL-1 alpha aa 100 to the C-terminus. Database link: P01583  Run BLAST with  Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Reconstitute in sterile PBS with 0.1% BSA to 0.1 - 1.0 mg/ml.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	Constituents: PBS, 0.1% BSA
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab271226 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 31 kDa.
Sandwich ELISA		Use at an assay dependent concentration.

Target

Function

Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

Sequence similarities

Belongs to the IL-1 family.

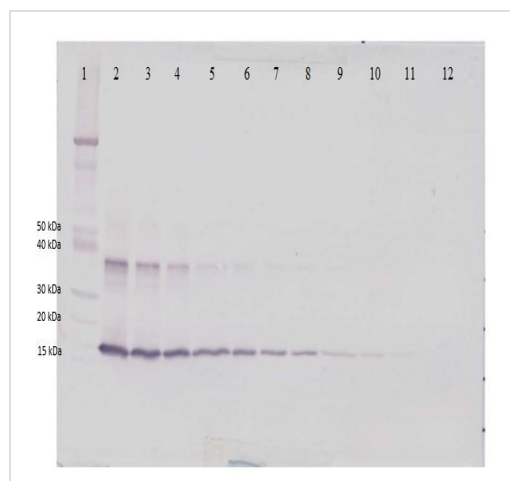
Domain

The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.

Cellular localization

Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.

Images



Western blot - Biotin Anti-IL-1 alpha antibody
(ab271226)

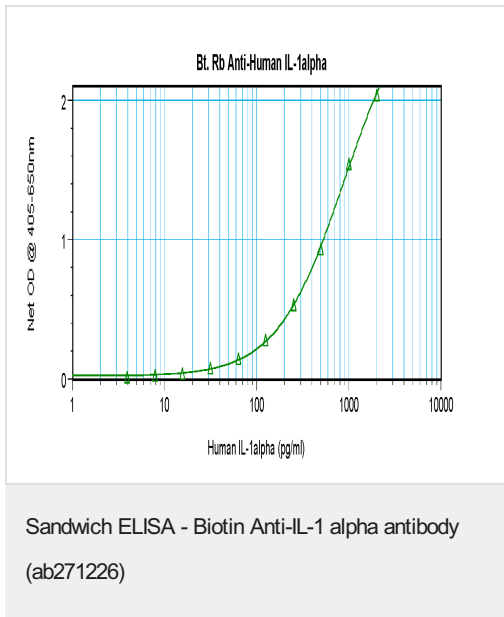
To detect hIL-1 alpha by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml.

Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-1 alpha is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Lane 1: Marker

Lanes 2-12: 250, 125, 62.5, 31.25, 15.625, 7.8, 3.9, 1.95, 0.975, 0.4875 and 0.24 ng recombinant human IL-1 alpha, respectively.

Non-reducing conditions.



Human hIL-1 α was detected by sandwich ELISA (using 100 μ l/well) using a concentration of 0.25-1.0 μ g/ml of ab271226. This antibody in conjunction with an appropriate capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant hIL-1 α protein.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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