

## Product datasheet

# Anti-IL1 alpha antibody [AS5] ab17281

★★★★★ 1 Abreviews 2 References 画像数 1

### 製品の概要

製品名	Anti-IL1 alpha antibody [AS5]
製品の詳細	Mouse monoclonal [AS5] to IL1 alpha
由来種	Mouse
特異性	Recognizes human IL-1 alpha. Does not recognize mouse IL-1 alpha, human IL-1 beta or a panel of other human cytokines.
アプリケーション	<b>適用あり:</b> IHC-P, IP, ELISA, Neutralising, IHC (PFA fixed)
種交差性	<b>交差種:</b> Human
免疫原	Recombinant IL1 alpha protein (Human).

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.08% Sodium Azide Constituents: PBS
精製度	>95% by SDS-PAGE
特記事項(精製)	Protein G purified
ポリ/モノ	モノクローナル
クローン名	AS5
アイソタイプ	IgG1

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab17281** in the following tested applications.

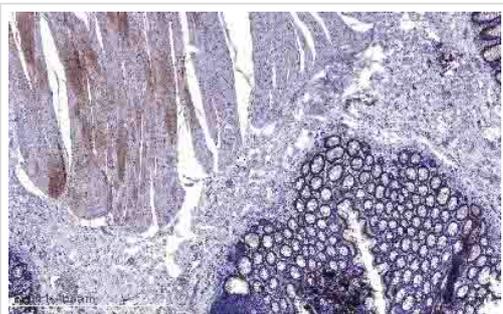
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★	1/200. (see Abreview)
IP		Use at an assay dependent concentration. This antibody has been used to immunoprecipitate >90% human IL-1 (in solution using a double-antibody method).
ELISA		Use a concentration of 2 µg/ml. This antibody has been used as a solution phase antibody in a two site ELISA with biotin conjugated IL-1 alpha antibody. Typically the ELISA has a working range of 0-10000 pg/ml and a sensitivity of 5 pg/ml with the appropriate standard. Recommended sample volumes are 25-200 µl. Recovery of human IL-1 alpha in human serum is typically >85% in the ELISA.
Neutralising		Use a concentration of 25 mg/ml. This antibody has been used to neutralize >95% of the biological activity of human IL-1 at 0.5 mg/ml.
IHC (PFA fixed)		Use a concentration of 1 - 10 µg/ml. This antibody has been used to stain human IL-1 alpha expressed in mononuclear cells, following fixation with 4% paraform in PBS for 10 minutes at 4°C plus 0.1% saponin 20 minutes at RT.

## ターゲット情報

機能	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.
配列類似性	Belongs to the IL-1 family.
ドメイン	The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.
細胞内局在	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.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL1 alpha antibody [AS5] (ab17281)

Image courtesy of an anonymous Abreview.

ab17281 staining IL1 alpha in human colon tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with paraformaldehyde and a heat mediated antigen retrieval step was performed using EDTA buffer pH 9.0. Samples were then blocked with 10% serum for 30 minutes at 21°C followed by incubation with the primary antibody at a 1/200 dilution for 30 minutes at 21°C. A undiluted HRP-conjugated goat polyclonal was used as secondary antibody.

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