



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-IL-1A [9H10] Standard Size Ab03559-7.1

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rat IgG2a, Kappa

**Clone Number:** 9H10

**Alternative Name(s) of Target:** IL1A; IL-1 $\alpha$ ; Interleukin-1 alpha; IL-1 alpha

**UniProt Accession Number of Target Protein:** P01582

**Published Application(s):** functional assay, ELISA

**Published Species Reactivity:** Mouse

**Immunogen:** The original antibody was generated by immunizing IL-1 $\alpha$ / $\beta$  double KO mice with mouse IL-1 alpha.

**Specificity:** This antibody binds mouse Interleukin-1 alpha, which is a cytokine constitutively present intracellularly in nearly all resting non-hematopoietic cells that plays an important role in inflammation and bridges the innate and adaptive immune systems. IL-1 $\alpha$  is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells.

**Application Notes:** The original mouse IgG antibody binds mouse IL-1A with a binding affinity of  $K_d = 0.17$  nM. The binding characterization of this antibody was done using ELISA. In vitro antibody potency was determined by its ability to inhibit IL-8 production by MRC-5 cells. This antibody was able to inhibit IL-8 production by MRC-5 cells with an  $IC_{50}$  of  $2.00E-10$ M. This antibody was used in combination with 10G11 (anti- mouse IL-1B) antibody for the generation of anti-mouse IL-1 $\alpha$ / $\beta$  DVD-Ig molecule (US7612181).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.