



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-IL-1A [9H10] Ab03559-7.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, Fc Silent™, Kappa

**Clone Number:** 9H10

**Alternative Name(s) of Target:** IL1A; IL-1α; 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-1α/β 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-1α 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-1α/β DVD-Ig molecule (US7612181).

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

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.