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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IL-1A [9H10] Ab03559-7.1-BT

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 α ; 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 α / 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-1 α 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 α / 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.