

Anti-IL-1B [1] Standard Size Ab02591-3.3

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

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Kappa

Clone Number: 1

Alternative Name(s) of Target: Interleukin IL1-beta; chIL-1B-1; Interleukin-1; chIL-1B

UniProt Accession Number of Target Protein: O73909

Published Application(s): IH, neutralizing, WB, ELISA

Published Species Reactivity: Chicken

Immunogen: The original antibody was raised immunising BALB/C mice with recombinant chicken IL-1B protein.

Specificity: The antibody is specific for chicken IL-1β, a pleiotropic molecule with a wide spectrum of activities including metabolic, physiologic, hematologic, and immunologic effects. The antibody did not react with chicken IL-18.

Application Notes: The specificity of the original format of this antibody was confirmed by ELISA analysis (Lee et al, 2014; PMID: 25037821). The antibody detected chIL-1β protein by Western blot analysis. The antibody was used as a capture antibody for measuring serum IL-1B levels in chicken by capture ELISA analysis. The original format of the antibody was used to localize IL-1β-secreting cells in chicken immune tissues. The antibody neutralized the bioactivity of chIL-1B-induced cell proliferation and NO production by primary thymocytes (Lee et al, 2014; PMID: 25037821).

Antibody First Published in: Lee et al. Development and characterization of mouse monoclonal antibodies reactive with chicken IL-1β Poult Sci. 2014;93(9):2193-2198. [PMID:25037821](#)

Note on publication: The paper describes the generation and characterization of the antibody, which is specific for chIL-1β.

Product Form

Size: 200 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.