

## Anti-IL-1B [1] Bulk Size Ab02591-3.3-BT

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-1 $\beta$ , 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-1 $\beta$  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-1 $\beta$ -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-1 $\beta$  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-1 $\beta$ .

## 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.