

## Anti-IL-6 [1.26.4] Bulk Size Ab02596-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 1.26.4

**Alternative Name(s) of Target:** Interleukin 6; Interleukin-6; ChIL-6; chicken IL-6

**UniProt Accession Number of Target Protein:** Q90YI0

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

**Published Species Reactivity:** Chicken

**Immunogen:** The original antibody was raised by immunising BALB/C mice with recombinant chicken IL-6.

**Specificity:** This antibody binds specifically to chicken IL-6, an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine (cytokine produced from muscle). Further, the antibody shows cross-reactivity with human and murine IL-6.

**Application Notes:** The specificity of this antibody (IgG2b) towards the native protein chIL-6 was confirmed in ELISA analysis (Scott et al, 2006; pmid: 16930722). The antibody detected the denatured chIL-6 by western blot. The antibody showed inhibitory activity on murine IL-6 on a B9 hybridoma cell bioassay. The bioassay was run with varying concentrations of the antibody in order to determine the effective concentration for neutralizing IL-6. Further, recombinant forms of chicken, human and murine IL-6 were all tested in the bioassay. The antibody was effective in neutralizing all three recombinant IL-6 proteins. (Scott et al, 2006; pmid: 16930722).

**Antibody First Published in:** Scott et al. Monoclonal antibodies against chicken interleukin-6. Vet Immunol Immunopathol. 2006;114(1-2):173-177 [PMID:16930722](#)

**Note on publication:** The paper describes the generation and characterization of the antibody, which is specific for chIL-6.

## 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.