

Anti-TL1A [chTL1A-1] Bulk Size Ab02605-23.0-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: chTL1A-1

Alternative Name(s) of Target: TNFSF15; TNF-like ligand 1A; tumor necrosis factor superfamily 15; chicken TL1A; Tumor necrosis factor-like ligand 1A; chTL1A; TL1A mAb-1

UniProt Accession Number of Target Protein: Q50L61

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

Published Species Reactivity: Chicken

Immunogen: The original antibody was raised by immunizing BALB/c mice with recombinant TL1A protein.

Specificity: The antibody binds specifically to chicken TL1A, a type II transmembrane protein predominantly expressed by endothelial cells that promotes the expansion of activated T cells and regulatory T cells, modulates inflammation, and regulates the production of a wide variety of T cell cytokines. The antibody does not react with the chIL-8/pET32a or proteinase K-pretreated chTL1A, verifying its specificity for the intact chTL1A.

Application Notes: The specificity of the original antibody was confirmed by ELISA analysis (Lee et al, 2014; pmid: 24565040). The antibody was used as a capture antibody in capture ELISA assay to measure serum TL1A levels in normal and necrotic enteritis (NE)-afflicted chickens. The antibody detected the recombinant chicken TL1A by western blot analysis. The antibody identified TL1A-secreting cells in the chicken thymus, cecal tonsil, and bursa of Fabricius by immunocytochemistry. Furthermore, the antibody inhibited chTL1A induced spleen lymphocyte proliferation, nitric oxide production by chicken macrophage cells (HD11), and blocked the cytotoxic effect of chTL1A against lymphoblastoid chicken B tumor cells (LSCC-RP9) (Lee et al, 2014; pmid: 24565040).

Antibody First Published in: Lee et al. Development and characterization of mouse monoclonal antibodies reactive with chicken TL1A. Vet Immunol Immunopathol. 2014;159(1-2):103-9. [PMID:24565040](#)

Note on publication: The paper describes the generation and characterization of the antibody, specific for chicken TL1A.

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.