

Anti-ICOS [3F12] Standard Size Ab01701-202.1

This chimeric dog antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG4 (IgG-D), Kappa

Clone Number: 3F12

Alternative Name(s) of Target: CD278; Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; Inducible co-stimulator; Inducible costimulator; caICOS; canine ICOS; dog ICOS

UniProt Accession Number of Target Protein: Q7YR73

Published Application(s): Blocking, ELISA, FC

Published Species Reactivity: Dog

Immunogen: This antibody was raised by immunizing RBF/DnJ mice with caICOS-murine-IgG2a fusion and hybridomas were generated using accepted methods.

Specificity: This antibody specifically recognizes canine ICOS, which enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells.

Application Notes: 3F12 can be used to identify canine ICOS and analyse its activity. The antibody is an antagonist of ICOS and exhibits the ability to significantly suppress mixed leukocyte reactions (MLR) (Sato et al., 2013; pmid: 23694952). Anti-ICOS antibody was also shown to be an effective agent that can be used in the treatment development of Canine Chronic Graft-versus-Host Disease (GVHD) (Graves et al., 2017; pmid: 28958896).

Antibody First Published in: Sato et al. Inducible Costimulator (ICOS) Up-Regulation on Activated T Cells in Chronic Graft-Versus-Host Disease After Dog Leukocyte Antigen-Nonidentical Hematopoietic Cell Transplantation: A Potential Therapeutic Target Transplantation. 2013 Jul 15;96(1):34-41. doi: 10.1097/TP.0b013e318295c025. [PMID:23694952](#)

Note on publication: This article describes the generation and characterization of the antibody 3F12.

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.