

## Anti-ICOS [7E.17G9] VivopureX 25 mg Ab00814-2.3-VXX

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

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

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** 7E.17G9

**Alternative Name(s) of Target:** CD278; AILIM; CVID1; inducible T-cell co-stimulator; inducible T-cell costimulator; 7E.17G9.G1.G7

**UniProt Accession Number of Target Protein:**

**Published Application(s):** Block, FC

**Published Species Reactivity:** Mouse

**Immunogen:** Rats were immunized i.m. three times with 500 mg murine ICOS cDNA in the pAXEF mammalian expression vector and boosted twice with 200 mg murine ICOS hexahistidine fusion protein.

**Specificity:** This antibody binds to mouse ICOS (CD278).

**Application Notes:** This antibody can be used to detect mouse ICOS by flow-cytometry. Maazi et al (2015, PMID: 25769613) showed that 7E.17G9 can inhibit ICOS interaction with its ligand ICOSL.

**Antibody First Published in:** McAdam et al. Mouse Inducible Costimulatory Molecule (ICOS) Expression Is Enhanced by CD28 Costimulation and Regulates Differentiation of CD4+ T Cells J Immunol. 2000 Nov 1;165(9):5035-40. [PMID:11046032](#)

**Note on publication:** Describes the generation of this antibody and its use in detecting ICOS by flow-cytometry.

## Product Form

**Size:** 25 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As a result VivopureX products are the ideal choice for in vivo research applications.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** All VivopureX products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.

**Concentration:**  $\geq 1\text{mg}$  (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.