

ICOS(CD278) (ZR476)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Synthetic ICOS protein
Ig Class: IgG
Storage: Store at 2- 8 °C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: ICOS(CD278) (ZR476) Rabbit monoclonal primary antibody detects ICOS Protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain ICOS Protein.

Localization: Cytoplasm.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: ICOS (inducible T-cell Co-Stimulator or CD278) is a member of the CD28/CTLA-4 superfamily that regulates T cell activity and immune responses. ICOS is primarily expressed on activated CD4+ and CD8+ T cells where it regulates immune responses and plays a role in the regulation of T-follicular helper cells. The ICOS protein contains an extracellular IgV-like domain, a transmembrane domain, and an intracellular domain with a YMFM motif. Upon binding to its ligand, ICOS potentiates the T cell response to antigen through activation of the PI3K signaling pathway. ICOS is a sensitive marker for identifying T-cell lymphomas of follicular helper T-cell origin, especially certain patterns of angioimmunoblastic T-cell lymphoma (AITL) and peripheral T-cell lymphomas with T-follicular helper phenotype (PTCL-TFH).

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Hutloff A, et al: Nature 1999, 397, 263-266
2. Baseggio L, et al: Modern Pathology. 2011; 24:993-1003
3. Bosisio FM, et al: Am J Dermatopathol. 2015; 37:115-121



Z2846RL-R/ Z2846RS-R/ Z2846RT-R /Z2846RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)