

ICOS Rabbit Polyclonal Antibody

Catalog #: EAB14165

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IHC-P, IF, ELISA	22	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IHC-P (Immunohistochemistry-Paraffin)	1:50-300
IF (Immunofluorescence)	1:50-300
ELISA (Enzyme-linked Immunosorbent Assay)	1:5000-20000

Product Information

Conjugate	Unconjugate
Specificity	ICOS Rabbit Polyclonal Antibody detects endogenous levels of ICOS protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
UniProt ID	Q9Y6W8
Entrez-Gene ID	29851

Product Description

ICOS (Inducible Co-Stimulator, CD278) is a member of the CD28 family that regulates T cell activity and immune responses. The ICOS protein contains an extracellular IgV like domain, a transmembrane domain, and an intracellular domain with a YMF motif. ICOS is primarily expressed on activated CD4+ and CD8+ T cells. Upon binding to its ligand, ICOS potentiates the T cell response to antigen through activation of the PI3K signaling pathway. In addition to enhancing T cell activation and proliferation, ICOS plays an important role in the regulation of T follicular helper cells. Research studies suggest that ICOS is a potential therapeutic target, and could serve as a prognostic biomarker for neoplastic therapy involving CTLA-4 blockade.

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