

Goat anti-ICOS Antibody

Item Number	dAP-1901
Target Molecule	Principle Name: ICOS; Official Symbol: ICOS; All Names and Symbols: ICOS; inducible T-cell co-stimulator; ALIM; CD278; MGC39850; activation-inducible lymphocyte immunomediatory molecule; inducible costimulator; Accession Number (s): NP_036224.1; Human Gene ID(s): 29851; Non-Human GeneID(s): 54167 (mouse)
Immunogen	KGGQILCDLTKTKGS, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Preliminary experiments gave an approx 13kDa band in Human Peripheral Blood Lymphocyte lysates after 0.01µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the c
IHC	Immunohistochemistry: In paraffin embedded Human Lymph Node shows membrane staining just outside the mantle zone of the Germinal Centre. Recommended concentration: 1-2µg/ml. Paraffin embedded Human Tonsil and Thymus. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Strauss L, Bergmann C, Szczepanski MJ, Lang S, Kirkwood JM, Whiteside TL, Expression of ICOS on human melanoma-infiltrating CD4+CD25highFoxp3+ T regulatory cells: implications and impact on tumor-mediated immune suppression. J Immunol. 2008 Mar 1;180(5):2967-80..PMID: 18292519->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**