

**DATASHEET**

**ICOS/CD278 Rabbit Monoclonal Antibody(ARA628)**

**CAT. NO. ARA6329**

**KEY FEATURES**

Target	ICOS/CD278	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	IHC	Conjugation	Unconjugated
Storage	-20°C		

**BACKGROUND**

Stimulatory receptor expressed in activated or antigen-experienced T-cells that plays an important role in the immune response. Upon binding to its ligand ICOSL expressed on antigen presenting cells (APCs), delivers costimulatory signals that enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines including IL10, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Also acts as a costimulatory receptor critical for the differentiation of T follicular regulatory cells upon immune challenges such as viral infection. Mechanistically, potentiates TCR-induced calcium flux by augmenting PLCG1 activation and actin remodeling.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
IHC	1:100 - 1:500

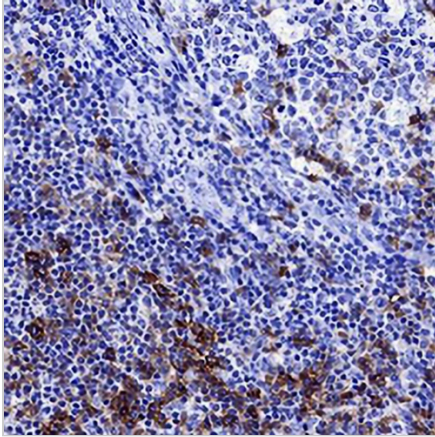
\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**OVERVIEW**

Description	Recombinant rabbit monoclonal antibody to CD278
Specificity	Recognizes endogenous levels of CD278 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	Recombinant fusion protein of human CD278. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	N/A
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide.
Alternative Names	AILIM; Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; CD278
Gene Symbol	ICOS
Entrez Gene	29851(Human)
SwissProt	Q9Y6W8(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****ICOS/CD278 Rabbit Monoclonal Antibody(ARA628)****CAT. NO. ARA6329****DATA**

Immunohistochemical analysis of ICOS/CD278 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com](http://www.arexbio.com)