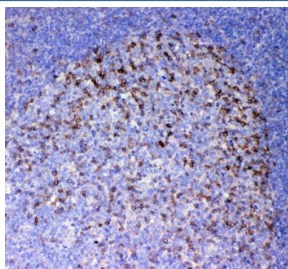


## ICOS Antibody (RQ4163)

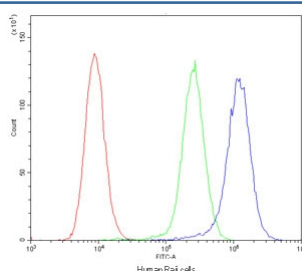
Catalog No.	Formulation	Size
RQ4163	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q9Y6W8
<b>Localization</b>	Cytoplasmic, cell membrane
<b>Applications</b>	IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells
<b>Limitations</b>	This ICOS antibody is available for research use only.



IHC testing of FFPE human tonsil tissue with ICOS antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human Raji cells with ICOS antibody at 1ug/10<sup>6</sup> cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=ICOS antibody.

## Description

Inducible T-cell costimulator is an immune checkpoint protein that in humans is encoded by the ICOS gene. The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.

## Application Notes

Optimal dilution of the ICOS antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids E21-K140 was used as the immunogen for the ICOS antibody.

## Storage

After reconstitution, the ICOS antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.