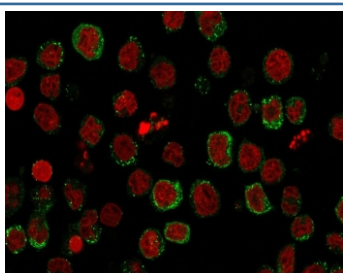


## ICOSLG Antibody / ICOS Ligand / B7RP-1 [clone ICOSL/3111] (V7578)

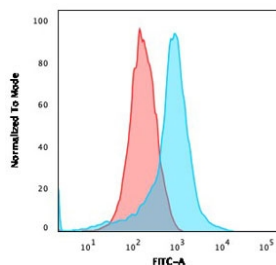
Catalog No.	Formulation	Size
V7578-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7578-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7578SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7578IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

### Bulk quote request

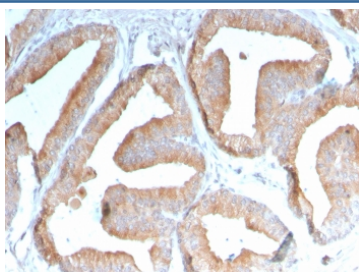
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	ICOSL/3111
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	O75144
<b>Localization</b>	Cell surface
<b>Applications</b>	ELISA (order BSA/sodium Azide-free Format For Coating) : Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This ICOSLG antibody is available for research use only.



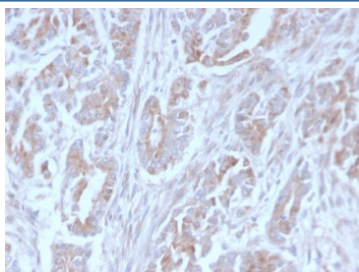
Immunofluorescence staining of human U937 cells with ICOSLG antibody (green, clone ICOSL/3111) and Reddot nuclear stain (red).



Flow cytometry testing of human U937 cells with ICOSLG antibody (clone ICOSL/3111); Red=isotype control, Blue= ICOSLG antibody.

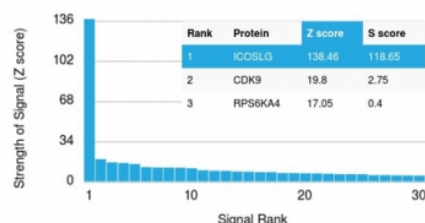


IHC staining of FFPE human prostate carcinoma with ICOSLG antibody (clone ICOSL/3111). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

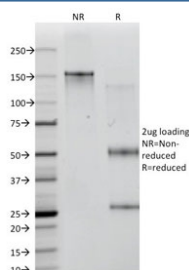


IHC staining of FFPE human colon carcinoma with ICOSLG antibody (clone ICOSL/3111). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ICOSLG antibody (clone ICOSL/3111). These results demonstrate the foremost specificity of the ICOSL/3111 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free ICOSLG antibody (clone ICOSL/3111) as confirmation of integrity and purity.

## Description

This MAbs recognizes a protein of 36kDa, identified as ICOSLG, which is also known as B7-related protein-1 (B7RP-1). T-cell co-stimulatory molecule, inducible co-stimulator (ICOS)/B7-related protein-1 (B7RP-1, B7-H2, GL50, ICOS-L) is a ligand for the ICOS receptor that initiates T and B cell proliferation and cytokine secretion. ICOS-L interactions play an essential role in T cell-dependent B cell activation in peripheral lymphoid organs such as spleen and lymph nodes. ICOS-L protein is present in myeloid leukocytes, and by northern blot there are 2.4, 3.0, and 7.0 kb transcripts in brain, heart,

kidney, and liver, with lower expression in colon and thymus, and a 1.1 kb transcript in leukocytes. Tumor necrosis factor alpha (TNF $\alpha$ ), granulocyte-macrophage colony-stimulating factor (GM-CSF) and interleukin-4 (IL-4) enhance its expression. LPS-induced up-regulation of ICOS-L is dependent on the MyD88-dependent signaling pathway.

## Application Notes

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

A recombinant fragment of human ICOS Ligand / B7RP-1 protein within amino acids 23-149 was used as the immunogen for the ICOSLG antibody.

## Storage

Store the ICOSLG antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).