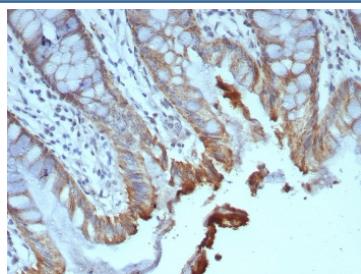


B7RP-1 Antibody / ICOSLG [clone ICOSL/7700] (V4842)

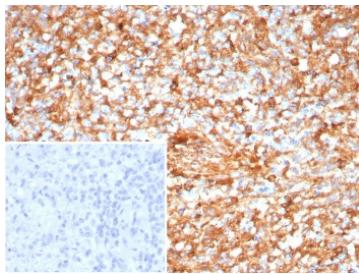
Catalog No.	Formulation	Size
V4842-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4842-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4842SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ICOSL/7700
Purity	Protein A/G affinity
UniProt	O75144
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This B7RP-1 antibody is available for research use only.



IHC staining of FFPE human colon carcinoma tissue with B7RP-1 antibody (clone ICOSL/7700). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human spleen tissue with B7RP-1 antibody (clone ICOSL/7700). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

This mAb recognizes a protein of 36kDa, identified as ICOS-L, also called B7RP-1 or B7-related protein 1. It 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 B7RP-1 antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human ICOSLG/B7RP-1 protein (within amino acids 1-300) was used as the immunogen for the B7RP-1 antibody.

Storage

Aliquot the B7RP-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.