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# Datasheet for ABIN6939408 anti-ICOSLG antibody (AA 23-149)

3 Images



### Overview

Quantity:	100 µg	
Target:	ICOSLG	
Binding Specificity:	AA 23-149	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This ICOSLG antibody is un-conjugated	
Application:	ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM), Immunostaining (ISt)	

## Product Details

Immunogen:	Recombinant fragment of human ICOSLG (B7RP-1) protein (around aa 23-149) (exact sequence is proprietary)	
Clone:	ICOSL-3260	
Isotype:	IgG2b kappa	
Specificity:	This MAb recognizes a protein of 36 kDa, identified as ICOS-L. 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),	

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Product Details		
	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.	
Purification:	Purified by Protein A/G	
Target Details		
Target:	ICOSLG	
Alternative Name:	ICOSLG (ICOSLG Products)	
Molecular Weight:	36kDa	
Gene ID:	23308	
UniProt:	075144	
Pathways:	Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation	
Application Details		
Application Notes:	Positive Control: HL60, HuT78 and HUVEC cells. Prostate or Colon Carcinoma. Known Application: ELISA (For coating, order antibody without BSA),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 µg/mL	
Buffer:	10 mM PBS with0.05 % BSA & 0.05 % azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-80 °C	
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.	

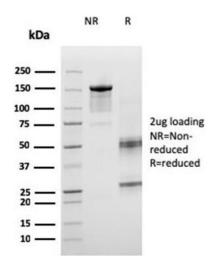
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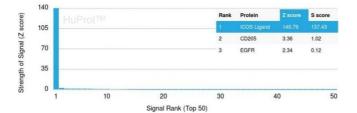
24 months

#### Images



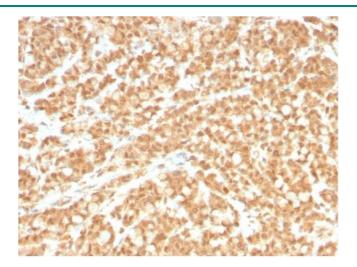
#### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified ICOS-L Mouse Monoclonal Antibody (ICOSL/3260). Confirmation of Purity and Integrity of Antibody.



#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using ICOS-L Mouse Monoclonal Antibody (ICOSL/3260). Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with ICOSL-Monospecific Mouse Monoclonal Antibody (ICOSL/3260).

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