ICOS-L / ICOS Ligand / B7RP-1 (Immuno-Oncology Target) Antibody

Mouse Monoclonal Antibody [Clone ICOSL/3260]
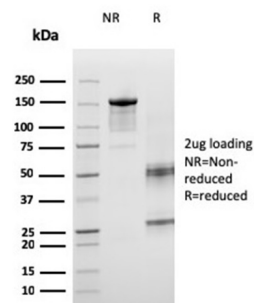
Catalog No	Format	Size
23308-MSM5-P0	Purified Ab with BSA and Azide	200ug/ml
23308-MSM5-P1	Purified Ab with BSA and Azide	200ug/ml
23308-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

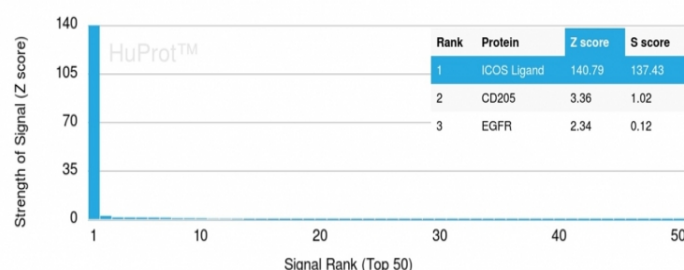| Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

Clone	ICOSL/3260
Gene Name	ICOSLG
Immunogen	Recombinant fragment of human ICOSLG (B7RP-1) protein (around aa 23-149) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	36kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	HL60, HuT78 and HUVEC cells. Prostate or Colon Carcinoma.

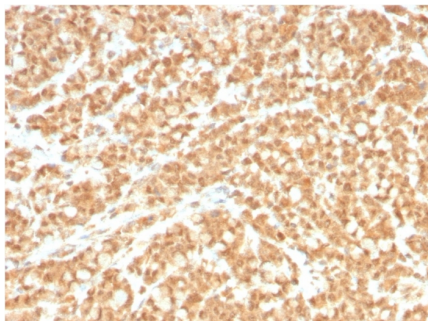*Optimal dilution for a specific application should be determined.*

Product Images for ICOS-L / ICOS Ligand / B7RP-1 (Immuno-Oncology Target) Antibody

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

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 Z-score 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 (SD‚Äôs) 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 SD‚Äôs) 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.

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

Specificity & Comments

This MAb recognizes a protein of 36kDa, 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), 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.

Research Areas

Cardiovascular, Immunology

Known Applications & Suggested Dilutions

ELISA (For coating, order antibody without BSA) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.