SLAMF7 / CS1 / CD319 (NK Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone SLAMF7/13123]

Catalog No	Format	Size
57823-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
57823-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
57823-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

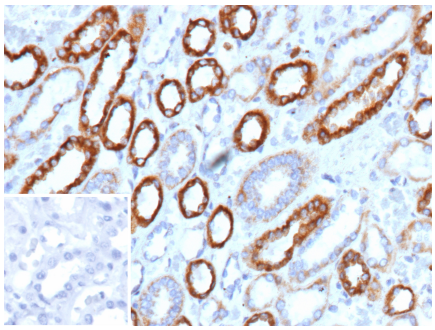
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

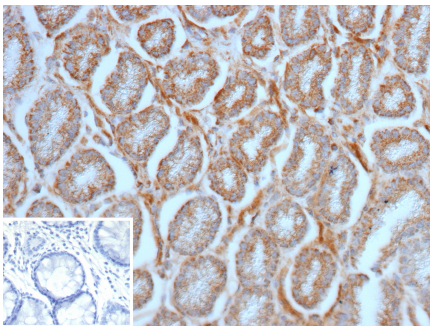
Clone	SLAMF7/13123
Gene Name	SLAMF7
Immunogen	Recombinant fragment (around aa200-335) of human SLAMF7 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	37kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Human tonsil, lymph node or testis.

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

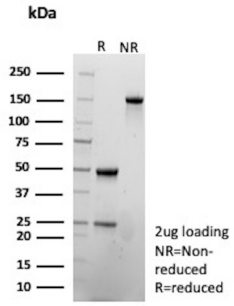
Product Images for SLAMF7 / CS1 / CD319 (NK Cell Marker) Antibody



Formalin-fixed, paraffin-embedded human kidney stained with SLAMF7 /CD319 Mouse Monoclonal Antibody (SLAMF7/13123). Inset: PBS instead of primary antibody; secondary only negative control.



Formalin-fixed, paraffin-embedded human colon stained with SLAMF7 / CD319 Mouse Monoclonal Antibody (SLAMF7/13123). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified SLAMF7 / CD319 Mouse Monoclonal Antibody (SLAMF7/13123). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

CS1, also known as novel Ly9, SLAMF7, 19A24 or CRACC, is a homophilic cell surface receptor. It is a member of the SLAM (signaling lymphocytic activation molecule) family of receptors expressed on natural killer (NK) cells, T cells and stimulated B cells. CS1 contains immunoreceptor tyrosine-based switch motifs in its cytoplasmic domain but, unlike other SLAM receptors, it does not recruit SAP (SLAM-associated protein). In humans, CS1 activates NK cells through an EAT-2-mediated pathway that is SAP-independent. CS1 recruits and associates with EAT-2, a protein closely related to SAP. EAT-2 induces phosphorylation of CS1 which then, upon ligand binding, activates downstream cytotoxicity effectors PLC and PI 3K. In mice, the EAT-2 association with CS1 has an inhibitory effect on the activation of NK cells.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% 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.

Research Areas

Dendritic Cell Marker, Immune checkpoint, Immunology

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.