

Mouse anti-Human SLAMF7/CS1/CD319 Monoclonal Antibody | anti-SLAMF7 antibody

SLAMF7/CS1/CD319

CATALOG # AAA215406	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

SLAMF7/CS1/CD319; Monoclonal Antibody; 19A; 19A24 protein; CD2 like receptor activating cytotoxic cells; CD2 subset 1; CRACC; CS1; Membrane protein FOAP 12; Novel LY9 (lymphocyte antigen 9) like protein; Protein 19A; SLAM family member 7; anti-SLAMF7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SLAMF7/3649
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	165
Applicable Applications for anti-SLAMF7 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of Human SLAMF7 protein (around aa 249-335) (exact sequence is proprietary)
Cellular Localization	Cell Surface
Hu-chromosome Location	1q23.3
Positive Control	Human tonsil tissue.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified SLAMF7 / CS1 Mouse Monoclonal Antibody (SLAMF7/3649).
Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human spleen stained with SLAMF7 / CS1 Mouse
Monoclonal Antibody (SLAMF7/3649).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with SLAMF7 / CS1 Mouse
Monoclonal Antibody (SLAMF7/3649).

ADDITIONAL INFORMATION

References	Hsi ED, et al. Clin Cancer Res. 2008;14(9):2775-2784.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	543583691
NCBI GeneID	57823
NCBI Accession #	NP_001269517.1
NCBI GenBank Nucleotide #	NP_001269517.1
UniProt Accession #	Q9NQ25
Molecular Weight	37kDa
NCBI Official Full Name	SLAM family member 7 isoform b
NCBI Official Synonym Full Names	SLAM family member 7
NCBI Official Symbol	SLAMF7
NCBI Official Synonym Symbols	19A; CS1; CD319; CRACC
NCBI Protein Information	SLAM family member 7
UniProt Protein Name	SLAM family member 7
UniProt Gene Name	SLAMF7
UniProt Synonym Gene Names	CS1; CRACC
UniProt Entry Name	SLAF7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.