

SLAMF6/CD352 (E8K9W) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	60	Rabbit IgG	#Q96DU3	114836

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

SLAMF6/CD352 (E8K9W) Rabbit mAb recognizes endogenous levels of total SLAMF6/CD352 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the extracellular domain of human SLAMF6/CD352 protein.

Background

SLAMF6 (CD352/NTB-A) is a type-I transmembrane glycoprotein belonging to the signaling lymphocytic activation molecule (SLAM) family of immunomodulatory receptors. Like other members of the SLAM receptor family, SLAMF6 contains Ig-like domains within its extracellular region and conserved tyrosine-based signaling motifs within its intracellular domain that, when phosphorylated, bind to the SAP and EAT-2 signaling adaptors (1). SLAMF6 is expressed on the surface of multiple types of immune cells, such as those of the B, T, and NK lineages. Its activation is triggered by homotypic interactions involving its extracellular domain (1-3). Indeed, research studies have shown that in T cells, SLAMF6 engagement facilitates activation and cytokine production (4). Similarly, homotypic ligand-mediated engagement of SLAMF6 on NK cells activates signaling cascades that drive proliferation, cytotoxicity, and cytokine production (1,5-7).

Background References

1. Bottino, C. et al. (2001) *J Exp Med* 194, 235-46.
2. Fraser, C.C. et al. (2002) *Immunogenetics* 53, 843-50.
3. Flaig, R.M. et al. (2004) *J Immunol* 172, 6524-7.
4. Valdez, P.A. et al. (2004) *J Biol Chem* 279, 18662-9.
5. Stark, S. and Watzl, C. (2006) *Int Immunol* 18, 241-7.
6. Falco, M. et al. (2004) *Eur J Immunol* 34, 1663-72.
7. Eissmann, P. and Watzl, C. (2006) *J Immunol* 177, 3170-7.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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