

**SLAMF6/CD352 Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	60	Rabbit	#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 and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

SLAMF6/CD352 Antibody recognizes endogenous levels of total SLAMF6/CD352 protein.

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe164 of human SLAMF6/CD352 protein. Antibodies are purified by protein A and peptide affinity chromatography.

**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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