

Sema7a monoclonal antibody, clone SKK-7

Catalog # MAB6582

Size 25 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of Sema7a.
Immunogen	A synthetic peptide corresponding to extracellular domain of mouse Sema7a.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	ELISA (1.0-10 ug/mL) Flow Cyt (50 ng/mL) Immunoprecipitation (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2% Block Ace)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Gene Info — Sema7a

Entrez GeneID [20361](#)

Gene Name	Sema7a
Gene Alias	2900057C09Rik, CDw108, H-Sema-L, M-Sema-L, Semal
Gene Description	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A
Gene Ontology	Hyperlink
Gene Summary	sema domain
Other Designations	H-Sema K1 Semaphorin K1 semaphorin 7A

Publication Reference

- [Semaphorin 7A promotes EGFR-TKI resistance in EGFR mutant lung adenocarcinoma cells.](#)

Kinehara Y, Nagatomo I, Koyama S, Ito D, Nojima S, Kurebayashi R, Nakanishi Y, Suga Y, Nishijima-Futami Y, Osa A, Nakatani T, Kato Y, Nishide M, Hayama Y, Higashiguchi M, Morimura O, Miyake K, Kang S, Minami T, Hirata H, Iwahori K, Takimoto T, Takamatsu H, Takeda Y, Hosen N, Hoshino S, Shintani Y, Okumura M, Kumagai T, Nishino K, Imamura F, Nakatsuka SI, Kijima T, Kida H, Kumanogoh A.

JCI Insight 2018 Dec; 3(24):123093.

Application: IHC-P, Human, Human lung adenocarcinoma

- [Semaphorin 7A initiates T-cell-mediated inflammatory responses through alpha1beta1 integrin.](#)

Suzuki K, Okuno T, Yamamoto M, Pasterkamp RJ, Takegahara N, Takamatsu H, Kitao T, Takagi J, Rennert PD, Kolodkin AL, Kumanogoh A, Kikutani H.

Nature 2007 Apr; 446(7136):680.

Application: IF, Mouse, Mouse bone-marrow-derived macrophages