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Anti-Stromal Interaction Molecule 1 Rabbit mAb [57H14]

Catalog No.: A52329

Basic Information

Catalog No. (Cat.No.)	A52329
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Stromal Interaction Molecule 1,STIM1,CRACST,ESDY,STIM

Product Information

Target	Stromal Interaction Molecule 1
Molecular Weight(Calculated)	77 kDa
Molecular Weight(Observed)	77 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	57H14
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Stromal interaction molecule-1
Gene Name	*STIM1*
Domain	NA
Background	STIM1 (Stromal Interaction Molecule 1) is ER-resident calcium-sensor protein responsible for CRAC-channel activation and SOCE (store-operated calcium entry). Upon ER-calcium-store depletion, STIM1 oligomerizes and traffics to ER-plasma-membrane junctions, binds and activates plasma-membrane Orai1 channels to trigger massive extracellular Ca2+ influx, controlling T-cell activation, proliferation, migration and secretion. STIM1 deficiency causes immunodeficiency; dysregulated calcium signalling contributes to tumor invasion.