

Immunotag™ STIM1 Antibody

Antibody Specification	
Catalog No.	ITA7977
Product Description	Immunotag™ STIM1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	STIM1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human STIM1
Specificity	STIM1 Antibody detects endogenous levels of total STIM1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	STIM1
Accession No.	Q13586
Alternate Names	D11S4896E; GOK; OTTHUMP00000164512; OTTHUMP00000229140; OTTHUMP00000230742; SIM; STIM 1; STIM1; Stim1 stromal interaction molecule 1; STIM1_HUMAN; STIM1L; Stromal interaction molecule 1;

Antibody Specification

Description	Plays a role in mediating store-operated Ca ²⁺ entry (SOCE), a Ca ²⁺ influx following depletion of intracellular Ca ²⁺ stores (PubMed:15866891, PubMed:16005298, PubMed:16208375, PubMed:16537481, PubMed:16733527, PubMed:16766533, PubMed:16807233, PubMed:18854159, PubMed:19249086, PubMed:22464749, PubMed:24069340, PubMed:24351972, PubMed:24591628, PubMed:26322679, PubMed:25326555, PubMed:28219928). Acts as Ca ²⁺ sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca ²⁺ depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca ²⁺ release-activated Ca ²⁺ (CRAC) channel subunit ORAI1 (PubMed:16208375, PubMed:16537481). Involved in enamel formation (PubMed:24621671). Activated following interaction with STIMATE, leading to promote STIM1 conformational switch (PubMed:26322679).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	77 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.