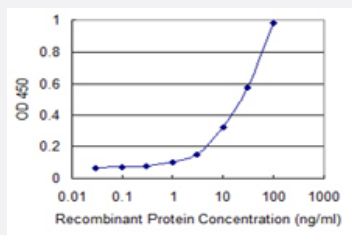


STIM1 monoclonal antibody (M02), clone 6C6

Catalog # H00006786-M02

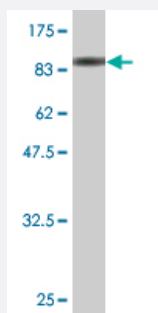
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STIM1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (98.56 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant STIM1.

Immunogen

STIM1 (AAH21300, 24 a.a. ~ 685 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	SHSHSEKATGTSSGANSEESTAAEFCDKPLCHSEDEKLSFEAVRNHKLMDDDANGDVDVEE SDEFLREDLNYHPTVKHSTFHGEDKLISVEDLWKAWKSSEVYNWTVDEVVQWLITYVELPQYE ETFRKLQLSGHAMPRLAVTNTTMTGAVLKMTDRSHRQKLQKALDVLFGPPLLTRHNHLKDFML VVSIVIGVGGCWFAYIQNRYSKEHMKMMKDLEGLHRAEQSLHDLQERLHKAQEEHRTVEVEKV HLEKKLRDEINLAKQEAQRLKELREGTENERSRQKYAEELQVREALRKAKEKELESHSSWYAP EALQKWLQLTHEVEVQYNIKKQNAEKQLLVAKEGAEKIKKKRNTLFGTFHVAHSSSLDDVDHKIL TAKQALSEVTAALRERLHRWQQEILCGFQVNNPGIHSVAALNIDPSWMGSTRPNPAHFIMTDDV DDMDEEIVSPLSMQSPSLQSSVRQRLTEPQHGLGSQRDLTHSDSESSLHMSDRQRVAPKPPQM SRAADEALNAMTSNGSHRLIEGVHPGSLVEKLPDSPALAKKALLALNHGLDKAHSMLSPSAP PGGSPHLDSRSHPSSPDPTSPVGDSTRALQASRNTRIPHLAGKKAVAEEDNGSIGEETDSS PGRKKFPLKIFKKPLKK
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (98.56 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STIM1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — STIM1

Entrez GeneID	6786
GeneBank Accession#	BC021300
Protein Accession#	AAH21300

Gene Name	STIM1
Gene Alias	D11S4896E, GOK
Gene Description	stromal interaction molecule 1
Omim ID	605921
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type 1 transmembrane protein that mediates Ca²⁺ influx after depletion of intracellular Ca²⁺ stores by gating of store-operated Ca²⁺ influx channels (SOCs). It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells. This gene is oriented in a head-to-tail configuration with the ribonucleotide reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5' end of the RRM1 gene
Other Designations	-