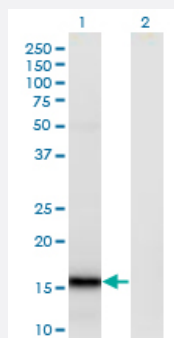


SUMO4 monoclonal antibody (M02), clone 1D3

Catalog # H00387082-M02

Size 100 ug

Applications

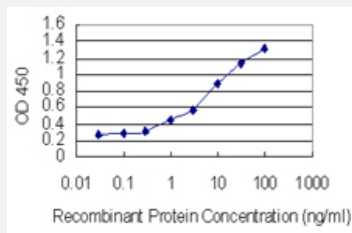


Western Blot (Transfected lysate)

Western Blot analysis of SUMO4 expression in transfected 293T cell line by SUMO4 monoclonal antibody (M02), clone 1D3.

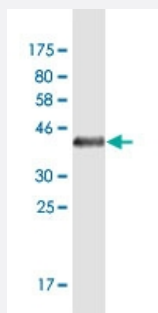
Lane 1: SUMO4 transfected lysate (Predicted MW: 10.7 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SUMO4 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.1 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SUMO4.

Immunogen	SUMO4 (NP_001002255.1, 1 a.a. ~ 95 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MANEKPTEEVKTENNNHINLKVAGQDGSVVQFKIKRQTPLSKLMKAYCEPRGLSVKQIRFRFGGQ PISGTDKPAQLEMEDEDTIDVFQQPTGGVY
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.1 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 (Transfected lysate)

Western Blot analysis of SUMO4 expression in transfected 293T cell line by SUMO4 monoclonal antibody (M02), clone 1D3.

Lane 1: SUMO4 transfected lysate (Predicted MW: 10.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SUMO4 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SUMO4

Entrez GeneID [387082](#)

GeneBank Accession# [NM_001002255.1](#)

Protein Accession#	NP_001002255.1
Gene Name	SUMO4
Gene Alias	IDDM5, SMT3H4, SUMO-4, dJ281H8.4
Gene Description	SMT3 suppressor of mif two 3 homolog 4 (S. cerevisiae)
Omim ID	600320 608829
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin-related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B-dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq]
Other Designations	OTTHUMP00000017390 SMT3 suppressor of mif two 3 homolog 2 SMT3 suppressor of mif two 3 homolog 4 small ubiquitin-like modifier 4 protein small ubiquitin-like protein 4

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Coronary Disease](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)

- [Lupus Erythematosus](#)
- [Psoriasis](#)
- [Thyroiditis](#)
- [Uveomeningoencephalitic Syndrome](#)