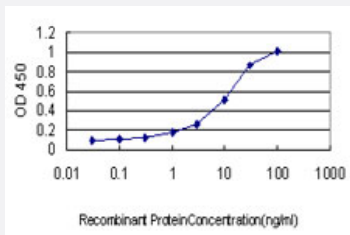


DST monoclonal antibody (M01), clone 1B10

Catalog # H00000667-M01

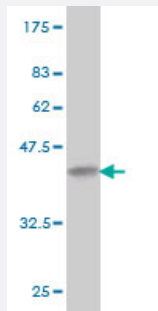
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DST.
Immunogen	DST (NP_899236, 401 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EDKLILAGNALQSDSKRLESGVQFQNEAEIAGYILECENLLRQHVIDVQILIDGKYYQADQLVQRVA KLRDEIMALRNECSSVYSKGRILTTEQTKLMIS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 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 DST is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — DST

Entrez GeneID

[667](#)

GeneBank Accession#

[NM_183380](#)

Protein Accession#

[NP_899236](#)

Gene Name

DST

Gene Alias

BP240, BPA, BPAG1, CATX-15, D6S1101, DKFZp564B2416, DMH, DT, FLJ46791, KIAA0465, KIAA1470, MACF2

Gene Description

dystonin

Omim ID

[113810](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the plakin protein family of adhesion junction plaque proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the full-length nature of some variants has not been defined. It has been known that some isoforms are expressed in neural and muscle tissue, anchoring neural intermediate filaments to the actin cytoskeleton, and some isoforms are expressed in epithelial tissue, anchoring keratin-containing intermediate filaments to hemidesmosomes. Consistent with the expression, mice defective for this gene show skin blistering and neurodegeneration. [provided by RefSeq]

Other Designations

OTTHUMP00000016657|OTTHUMP00000040015|bullous pemphigoid antigen 1, 230/240kDa|dystonia musculorum of mouse, human homolog of|hemidesmosomal plaque protein

Publication Reference

- [Dystonin/Bpag1 is a necessary endoplasmic reticulum/nuclear envelope protein in sensory neurons.](#)

Young KG, Kothary R.

Experimental Cell Research 2008 Jul; 314(15):2750.

Application: IF, Mouse, Mouse dorsal root ganglia

Disease

- [Tobacco Use Disorder](#)