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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DDC monoclonal antibody (M18), clone 8E8

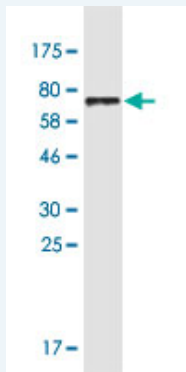
Catalog # : H00001644-M18

規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full-length recombinant DDC.
Immunogen:	DDC (AAH08366, 1 a.a. ~ 480 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MNASEFRRRGKEMVDYVANYMEGIEGRQVYVPDVEPGYLRLIPAAAPQE PDTFEDIINDVEKIIMPGVTHWHSPYFFAYFPTASSYPAMLADMLCGAIGCI GFSWAASPACTELETVMMDWLGKMLELPKAFLEKAGEGGGVIQGSAS EATLVALLAARTKVIHRLQAASPELTQAAIMEKLVAYSSDQAHSSVERAGL IGGVKCLKAIPSDGNFAMRASALQEALERDKAAGLIPFFMVATLGTTCSS FDNLLEVGPICNKEDIWLHVDAAYAGSAFICPEFRHLLNGVEFADSFNFP HKWLLVNFDCSAMWVKKRTDLTGAFRLDPTYLKHSHQDSGLITDYRHW QIPLGRRFRSLKMMFVFRMYGVKGLQAYIRKHVQLSHEFESLVRQDPRF EICVEVILGLVCFRLKGSNKVNEALLQRINSACKIHLVPCHLRDKFVLRFAIC SRTVESAHVQRAWEHKELAADVLAERE
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (78.43 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

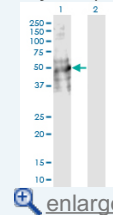
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

Application Image

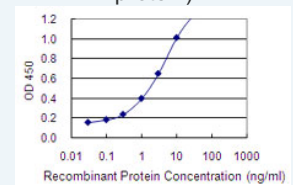
Western Blot (Transfected lysate)



[enlarge](#)

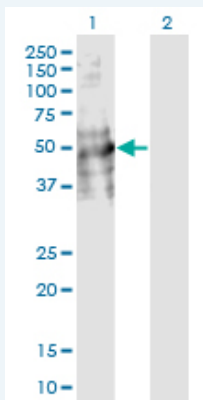
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Western Blot analysis of DDC expression in transfected 293T cell line by DDC monoclonal antibody (M18), clone 8E8.

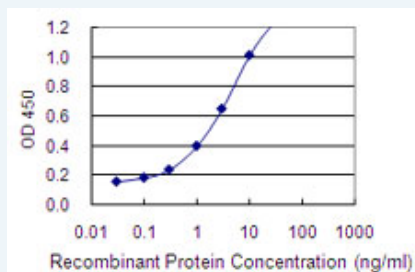
Lane 1: DDC transfected lysate (Predicted MW: 53.9 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DDC is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1644](#)

GeneBank [BC008366.1](#)

Accession#:

Protein [AAH08366](#)

Accession#:

Gene Name: DDC

Gene Alias: AADC

Gene Description: dopa decarboxylase (aromatic L-amino acid decarboxylase)

Omim ID: [107930](#), [608643](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Two

transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations: L-Dopa decarboxylase,aromatic L-amino acid decarboxylase

Gene Pathway

[Betalain biosynthesis](#) [Biosynthesis of alkaloids derived from shikimate pathway](#)
[Histidine metabolism](#) [Isoquinoline alkaloid biosynthesis](#) [Metabolic pathways](#)
[Phenylalanine metabolism](#) [Tryptophan metabolism](#) [Tyrosine metabolism](#)

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