

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DDC in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 413911
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human DDC Met1-Glu480 Accession # P20711
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Dopa decarboxylase (DDC), also known as aromatic amino acid decarboxylase, is a group II decarboxylase (1). The enzyme catalyzes the decarboxylation of aromatic L-amino acids to produce the corresponding amines. DDC produces the neurotransmitters dopamine and serotonin from L-Dopa and L-5-hydroxytryptophan, respectively. The inhibition of DDC could be used for the treatment of schizophrenia and Parkinson's disease (2).

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