

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse SDNSF/MCFD2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human SDNSF is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 300812
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse SDNSF/MCFD2 His27-Gln145 (predicted) Accession # Q8K5B2
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.

Immunohistochemistry 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

SDNSF, also known as MCFD2 (multiple coagulation factor deficiency 2), is a secreted molecule from adult hippocampal neural stem/progenitor cells (ANSC) that functions as an autocrine/paracrine factor to maintain neurogenesis in the central nervous system. It is also a component of the MCFD2-LMAN1 complex that functions as a specific cargo receptor for the ER to Golgi transport of proteins. Mutations in MCFD2 causes factor 5 and factor 8 combined deficiency.

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