

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NAALADase-like 2/NAALADL2 in ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 817227
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NAALADase-like 2/NAALADL2 Ser152-Asn795 Accession # Q58DX5
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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

NAALADL2 (N-acetylated α-linked acidic dipeptidase like 2) is a member of the peptidase M28 family of enzymes. It is presumably a type II transmembrane (TM) protein that may have O-glycosyl hydrolase activity. Human NAALADL2 is 795 amino acids (aa) in length. It is believed to contain a cytoplasmic and TM segment at the N-terminus, followed by a peptidase domain (aa 444-596) and a TIR-like dimerization region (aa 688-777). There are multiple splice forms. One shows a 4 aa substitution for aa 292-795, a second shows an alternate start site at Met18 with a 24 aa substitution for aa 314-795, and a third contains an alternate start site at Met283, accompanied by a deletion of aa 363-411 and 633-795. Over aa 152-795, human NAALADL2 shares 87% and 82% aa sequence identity with mouse and canine NAALADL2, respectively.

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