

Human NAALADase-like 2/NAALADL2 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 817225

Catalog Number: FAB4665U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NAALADase-like 2/NAALADL2 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 817225
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 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	LNCaP human prostate cancer cell line

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 Tfr-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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