# Human NAALADase-like 2/NAALADL2 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4665V
100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human NAALADase-like 2/NAALADL2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant mouse NAALADase 2 is observed. |
| **Source** | Polyclonal Goat IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | Mouse myeloma cell line NS0-derived recombinant human NAALADase-like 2/NAALADL2<br>Ser152-Asn795 (Met194Thr)<br>Accession # CAE75743 |
| **Conjugate** | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.*

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| **CyTOF-ready** | Optimal dilution of this antibody should be experimentally determined. |
| **Western Blot** | Optimal dilution of this antibody should be experimentally determined. |
| **Flow Cytometry** | Optimal dilution of this antibody should be experimentally determined. |
| **Immunocytochemistry** | Optimal dilution of this antibody should be experimentally determined. |
| **Immunoprecipitation** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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| **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 NAADADL2 is 87% and 82% aa identical to mouse and canine NAADADL2, respectively.

## PRODUCT SPECIFIC NOTICES

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