Human Aminopeptidase O/ONPEP Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 562912

Catalog Number: FAB4647S

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Aminopeptidase O/ONPEP in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 562912
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Aminopeptidase O/ONPEP Met1-Phe819 Accession # Q8N6M6
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

Aminopeptidase O (AP-O; also C9orf3) is a 93 kDa (predicted), intracellular member of the M1 metalloprotease family of enzymes. It is expressed in heart, testis and pancreas where it apparently cleaves N terminal Arg and Asn residues. Human Aminopeptidase O is 819 amino acids in length. It contains one catalytic domain (aa 167-589) with a Zn-binding site (His479-His483) and a C terminal ARM region (aa 706-819). At least three additional isoforms exist. One shows a deletion of aa 455-553; a second has an 11 aa substitution for the C terminal 265 amino acids; and a third shows both a deletion of aa 455-553 and an 11 aa substitution for the C-terminal 46 amino acids. Full length human Aminopeptidase O is 76% aa identical to mouse Aminopeptidase O.

PRODUCT SPECIFIC NOTICES

Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475