Human L1TD1 Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 901258

Catalog Number: FAB8317X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human L1TD1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 901258
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human L1TD1 Met1-Leu142 Accession # Q5T7N2
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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

L1TD1 (LINE-1 type transposase domain-containing protein 1; also known as ES cell-associated protein 11 and FLJ10884) is an RNA binding protein with a reported molecular weight of approximately 100 kDa. It is 865 amino acids (aa) in length and shares 43% aa identity with mouse L1TD1. L1TD1 is a marker for undifferentiated pluripotent stem cells. Knock down of its expression in these cells has been shown to decrease the expression of critical pluripotency factors such as Nanog and Oct-3/4. L1TD1 function in stem cells is likely regulated by its interaction with factors such as LIN-28 and is suggested to regulate RNA processing.

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