

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DLL3 in direct ELISAs and Western blots. Does not cross-react with recombinant human (rh) DLL1 or rhDLL4.
Source	Monoclonal Mouse IgG _{2B} Clone # 378703
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human DLL3 Ala27-Pro488 Accession # Q9NYJ7
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

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

Delta-like 3 (DLL3) is a transmembrane Delta-like protein that contains one DSL domain and six EGF-like repeats. DLL3 is critical for somite segmentation and neurogenesis during early embryonic development. It does not bind Notch receptors but functions as an antagonist of Notch signaling. Defects in DLL3 cause axial skeletal abnormalities in spondylocostal dysostosis. Within the extracellular domain, human DLL3 shares 84% amino acid sequence identity with mouse and rat DLL3.

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