

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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
Western Blot	1 µg/mL	Recombinant Human DLL3

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.