

DESCRIPTION

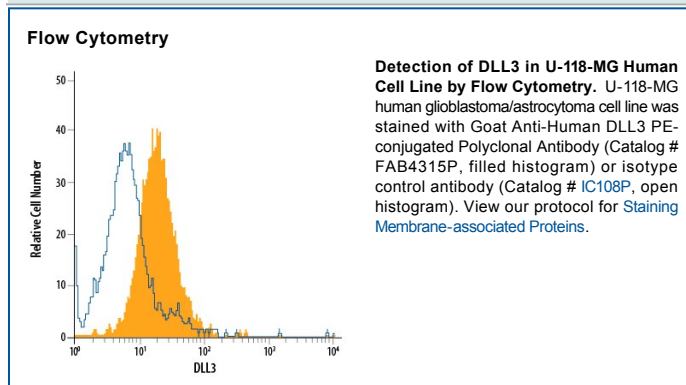
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human DLL3 in direct ELISAs and Western blots. In direct ELISAs, approximately 25% cross-reactivity with recombinant human (rh) DLL1 is observed and less than 8% cross-reactivity with rhDLL4 is observed. |
| Source | Polyclonal Goat IgG |
| Purification | Protein A or G purified |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant human DLL3 Ala27-Pro488 Accession # Q9NYJ7 |
| Conjugate | Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|---------------|
| Flow Cytometry | 10 μ L/10 ⁶ cells | See Below |

DATA



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. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

DLL3 (Delta-like protein 3; also Delta3) is a 65–67 kDa member of the Delta family of proteins. It is expressed in/on select cell types in the embryo, including somitic mesoderm, cochlear hair cells and noncycling cells of the neural tube that are undergoing differentiation. DLL3 is principally found in the Golgi apparatus and endosomes where it promotes Notch family receptor degradation. Mature human DLL3 is a 592 amino acid (aa) type I transmembrane protein. It possesses a 466 aa extracellular domain (aa 27-492) that contains a Notch-binding DSL domain (aa 176-215) followed by six EGF-like repeats (aa 216-465). There is one isoform variant that contains an Ala substitution for aa 588-618. Over aa 27-488, human DLL3 shares 84% aa identity with mouse DLL3.