

DESCRIPTION

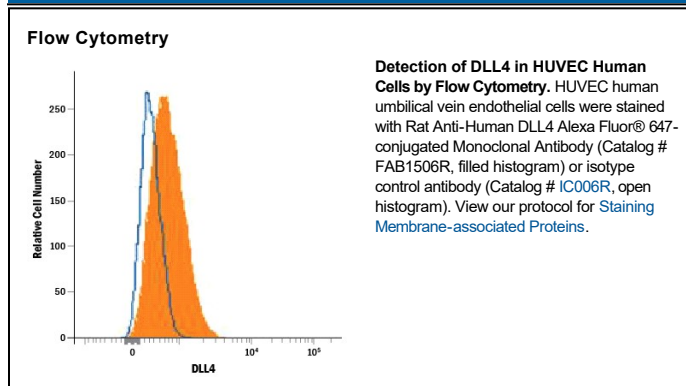
Species Reactivity	Human
Specificity	Detects human DLL4 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 447506
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DLL4 Ser27-Pro524 Accession # Q9NR61
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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	5 µL/10 ⁶ cells	See Below

DATA



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

BACKGROUND

Delta-like Ligand 4 (DLL4) is a transmembrane protein that contains one DSL domain and eight tandem EGF-like repeats. DLL4 is expressed on arterial endothelial cells where it signals through Notch 1 and Notch 4. DLL4 expression is induced by VEGF. It negatively regulates the proliferation of endothelial tip cells during vascular sprouting while promoting endothelial cell maturation. Blocking both DLL4 and VEGF can synergistically suppress tumor growth by promoting dysregulated angiogenesis. Within the extracellular domain, human DLL4 shares 85% amino acid sequence identity with mouse and rat DLL4.

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