

DESCRIPTION

Target:	DLL4
Target aliases:	Delta4, Hdelta2, AOS6
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc- γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

DLL4 TARGET INFORMATION

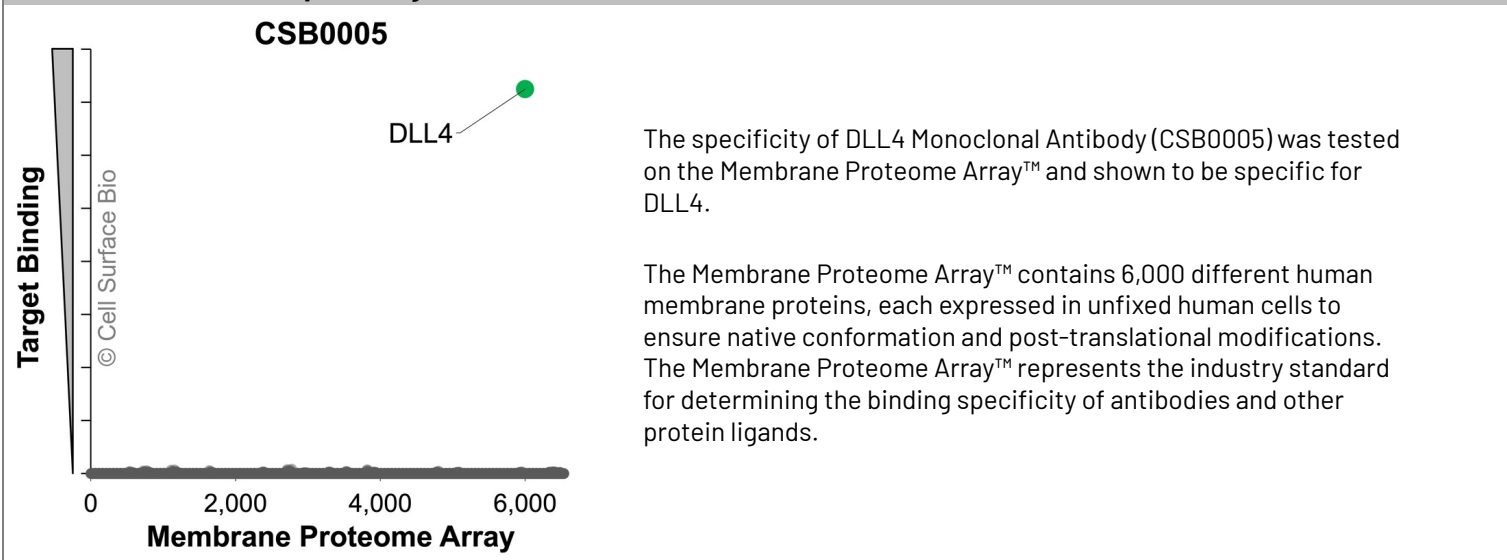
DLL4 is a Notch ligand with a DSL domain, EGF repeats, and a single transmembrane domain. DLL4 activates NOTCH1 and NOTCH4 and is involved in angiogenesis, retinal progenitor proliferation, and spinal cord neurogenesis. (NCBI Gene: 54567, UniProtKB/Swiss-Prot: Q9NR61) Other names: Delta4, Hdelta2, AOS6

SHIPPING AND STORAGE

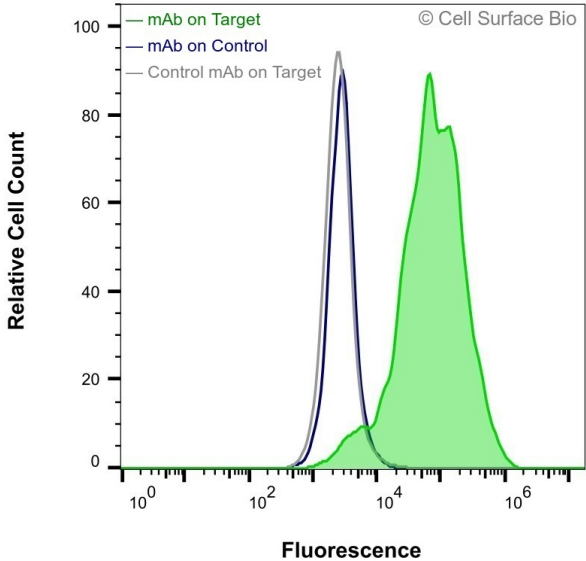
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

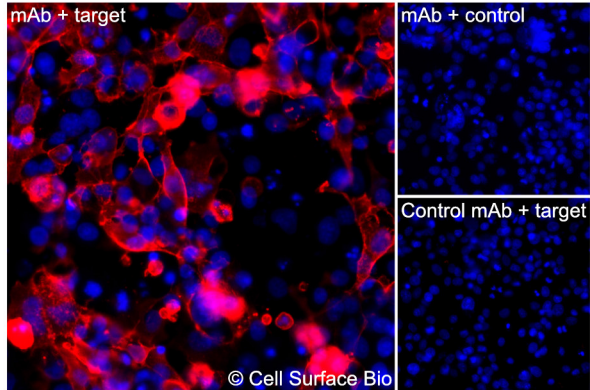


Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



HEK-293F cells transiently transfected with DLL4 were stained with DLL4 Monoclonal Antibody (CSB0005)(green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with DLL4 Monoclonal Antibody (CSB0005)(blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml



(Left) COS-7 cells transiently transfected DLL4 were stained with DLL4 Monoclonal Antibody (CSB0005) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with DLL4 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with DLL4 and stained with control MAb.

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml
mAb + target mAb + control Control mAb + target © Cell Surface Bio (Left) COS-7 cells transiently transfected DLL4 were permeabilized and stained with DLL4 Monoclonal Antibody (CSB0005) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with DLL4 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with {{target}} and stained with control MAb.		