



Armenian Hamster Anti-Mouse Delta-like protein 4 (DLL4) Monoclonal antibody, clone HMD4-2 (CABT-L4422)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The HMD4-2 monoclonal antibody reacts with mouse Delta-like protein 4 (DLL4) one of many Notch ligands. DLL4 is expressed by vascular endothelium, and plays a vital role in embryonic vascular development. The Notch pathway is an important intercellular signaling pathway that plays a major role in controlling cell fate. The HMD4-2 antibody has been shown to neutralize DLL4 in vivo.
Target	Mouse Delta-like protein 4 (DLL4)
Immunogen	Recombinant mouse DLL4
Isotype	IgG, κ
Source/Host	Armenian Hamster
Species Reactivity	Mouse
Clone	HMD4-2
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo DLL4 neutralization
Molecular Weight	150 kDa
Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility

Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. [provided by RefSeq, Jul 2008]
Keywords	DLL4;delta-like 4 (Drosophila);hdelta2;delta-like protein 4;delta4;delta 4;delta ligand 4;notch ligand DLL4;delta-like 4 homolog;delta-like 4 protein;notch ligand delta-2;drosophila Delta homolog 4;

GENE INFORMATION

Official Symbol	delta-like 4 (Drosophila)
Synonyms	DLL4; delta-like 4 (Drosophila); hdelta2; delta-like protein 4; delta4; delta 4; delta ligand 4; notch ligand DLL4; delta-like 4 homolog; delta-like 4 protein; notch ligand delta-2; drosophila Delta homolog 4;
References	Fukuda, D., et al. (2012). "Notch ligand delta-like 4 blockade attenuates atherosclerosis and metabolic disorders." Proc Natl Acad Sci U S A 109(27): E1868-1877. PubMed;