



Hi-Puri™ Llama Anti-Human LRP6 Monoclonal antibody, clone L-P2-B10 (DMAB-CDB25500)

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

PRODUCT INFORMATION

Specificity	L-P2-B10 interacts with the LRP6P3 barrel through two clusters of polar and electrostatic side-chain interactions, involving ten residues of LRP6P3.
Target	Human LRP6
Immunogen	Human LRP6
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	L-P2-B10
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	<p>Suitable for use in IB, ELISA, Inhib, Crystallography.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
Format	Liquid
Concentration	lot specific
Size	200 µg, 1 mg
Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)

Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	Low-density lipoprotein receptor-related protein 6 is a protein that in humans is encoded by the LRP6 gene. LRP6 is a key component of the LRP5/LRP6/Frizzled co-receptor group that is involved in canonical Wnt pathway. LRP6 is a transmembrane low-density lipoprotein receptor that shares a similar structure with LRP5. In each protein, about 85% of its 1600-amino-acid length is extracellular. Each has four YWTD β -propeller motifs at the amino terminal end that alternate with four epidermal growth factor (EGF)-like repeats, followed by three LDLR type A repeats. Most extracellular ligands bind to LRP5 and LRP6 at the β -propellers. Each protein has a single-pass, 22-amino-acid transmembrane helix followed by a 207-amino-acid segment that is internal to the cell.
Keywords	LRP6; LRP-6; low density lipoprotein receptor-related protein 6; ADCAD2