

For Research Use Only

LMO7 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84495-4-PBS



Basic Information

Catalog Number: 84495-4-PBS	GenBank Accession Number: NM_005358	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4008	CloneNo.: 241781D11
Source: Rabbit	UNIPROT ID: Q8WWI1	
Isotype: IgG	Full Name: LIM domain 7	
Immunogen Catalog Number: AG30016	Calculated MW: 193 kDa	
	Observed MW: 150 kDa, 180 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Background Information

LMO7, also known as LOMP, FBX20, belongs to the single Calponin-homology (CH) domain-containing protein family, with a single actin-binding CH domain at the amino terminal end (PMID: 19459066). LMO7 also contains a PDZ domain and a carboxyl-terminal LIM domain, both of which have been described as protein-protein interacting domains (PMID: 15140894). LMO7 encodes three splice variants of calculated molecular weights of 196 kDa (P200), 157 kDa (P150), and 100 kDa (P100) (PMID: 26157009).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

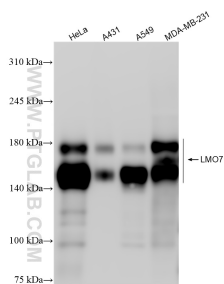
T: 4006900926

E: Proteintech-CN@ptglab.com

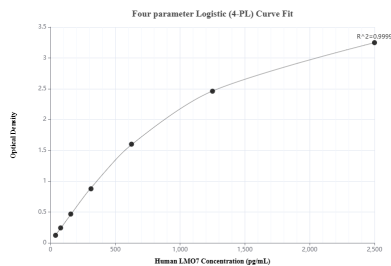
W: ptgcn.com

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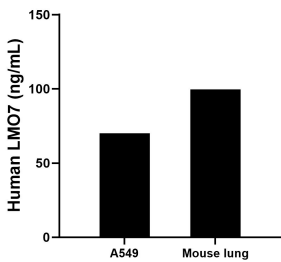
Selected Validation Data



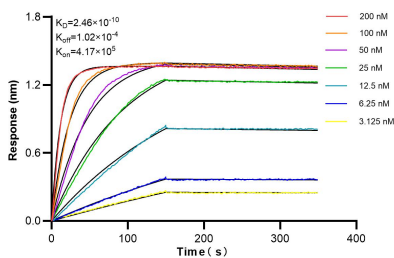
Various lysates were subjected to SDS PAGE followed by western blot with 84495-4-RR (LMO7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84495-4-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01336-4, Human LMO7 Recombinant Matched Antibody Pair - PBS only. 84495-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag30016. 84495-1-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



The mean LMO7 concentration was determined to be 70.01 ng/mL in A549 cell extract based on a 2.5 mg/mL extract load and 99.53 ng/mL in mouse lung tissue extract based on a 1.6 mg/mL extract load.



Biolayer interferometry (BLI) kinetic assays of 84495-4-RR against Human LMO7 were performed. The affinity constant is 0.246 nM.