

For Research Use Only

CA12 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85595-3-PBS



Basic Information

Catalog Number: 85595-3-PBS	GenBank Accession Number: BC000278	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 771	CloneNo.: 243053B2
Source: Rabbit	UNIPROT ID: O43570	
Isotype: IgG	Full Name: carbonic anhydrase XII	
Immunogen Catalog Number: AG7107	Calculated MW: 39 kDa	
	Observed MW: 38-45 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, mouse, rat

Background Information

CA12 belongs to the alpha-carbonic anhydrase family. It reverses the hydration of carbon dioxide. Overexpression of the zinc enzyme CA12 is observed in certain human cancers. The structure reveals a prototypical CA fold; however, two CA12 domains associate to form an isologous dimer, an observation that is confirmed by studies of the enzyme in solution.

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, pH7.3

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

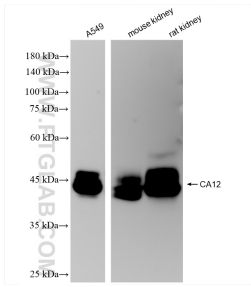
T: 4006900926

E: Proteintech-CN@ptglab.com

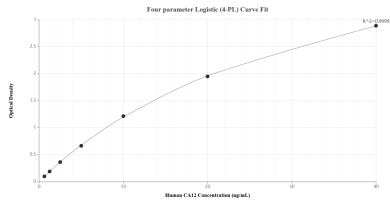
W: ptgcn.com

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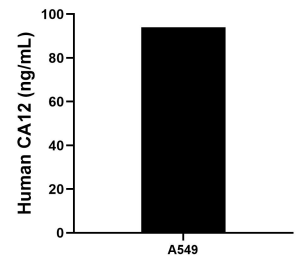
Selected Validation Data



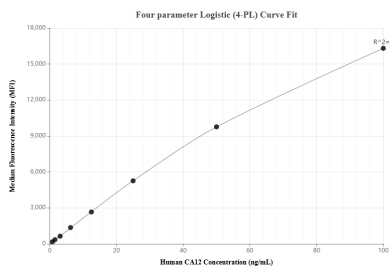
Various lysates were subjected to SDS PAGE followed by western blot with 85595-3-RR (CA12 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85595-3-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01993-1, Human CA12 Recombinant Matched Antibody Pair - PBS only. 85595-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag7107. 85595-2-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL.



The mean CA12 concentration was determined to be 93.99 ng/mL in A549 cell extract based on a 3.10 mg/mL extract load.



Cytometric bead array standard curve of MP01993-1, CA12 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85595-3-PBS. Detection antibody: 85595-2-PBS. Standard: Ag7107. Range: 0.781-100 ng/mL.