

For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84233-1-PBS



Basic Information

Catalog Number: 84233-1-PBS	GenBank Accession Number: BC014950	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 768	CloneNo.: 241573A4
Source: Rabbit	UNIPROT ID: Q16790	
Isotype: IgG	Full Name: carbonic anhydrase IX	
Immunogen Catalog Number: AG36941	Calculated MW: 459 aa, 50 kDa	

Applications

Tested Applications:
IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84233-1-PBS targets Carbonic Anhydrase IX/CA9 as part of a matched antibody pair:

MP01136-3: 84233-1-PBS capture and 84233-6-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

CA9 (Carbonic anhydrase 9) may be involved in the control of cell proliferation and transformation and appears to be a novel specific biomarker for a cervical neoplasia (PMID:18703501). It is a tumor-associated antigen that has been shown to have diagnostic utility in identifying cervical dysplasia and carcinoma. The protein is present both on the plasma membrane and in the nucleus of cells and has the molecular. (PMID: 31819036).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

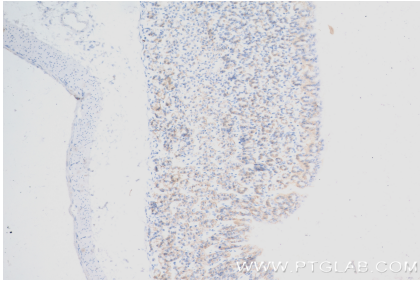
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

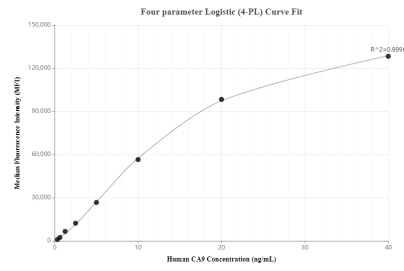
E: proteintech@ptglab.com
W: ptglab.com

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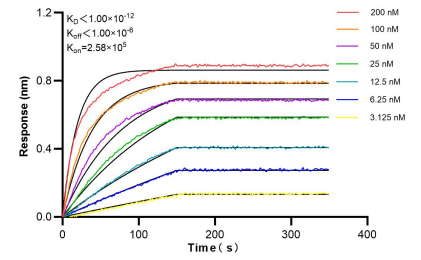
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 84233-1-RR (CA9 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84233-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01136-3, CA9 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84233-1-PBS. Detection antibody: 84233-6-PBS. Standard: Ag36941. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84233-1-RR against Human CA9 were performed. The affinity constant is below 1 pM.