

For Research Use Only

DDX4,VASA Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:87172-1-PBS



Basic Information

Catalog Number: 87172-1-PBS	GenBank Accession Number: BC047455	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 54514	CloneNo.: 252369D3
Source: Rabbit	UNIPROT ID: Q9NQI0	
Isotype: IgG	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	
Immunogen Catalog Number: AG0447	Calculated MW: 690aa,76 kDa; 724aa,79 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

87172-1-PBS targets DDX4,VASA as part of a matched antibody pair:

MP02892-1: 87172-2-PBS capture and 87172-1-PBS detection (validated in Cytometric bead array)

MP02892-2: 87172-4-PBS capture and 87172-1-PBS detection (validated in Sandwich ELISA)

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.

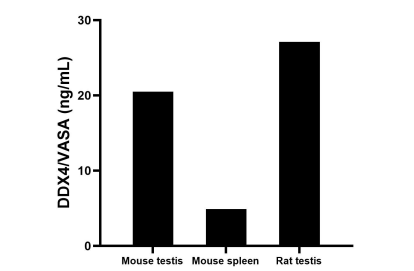
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

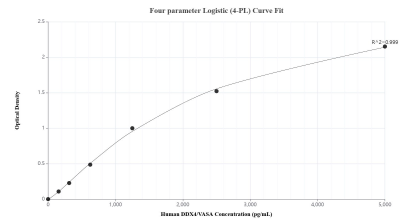
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

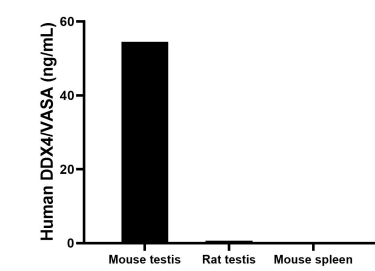
Selected Validation Data



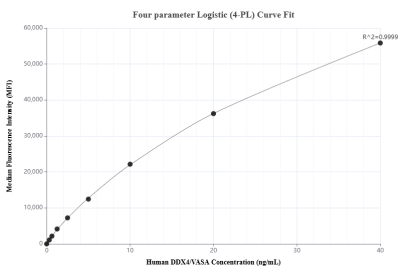
The mean DDX4/VASA concentration was determined to be 20.5 ng/mL in mouse testis tissue extract based on a 4.3 mg/mL extract load, 4.9 ng/mL in mouse spleen tissue extract based on a 6.4 mg/mL extract load and 27.1 ng/mL in rat testis tissue extract based on a 4.3 mg/mL extract load.



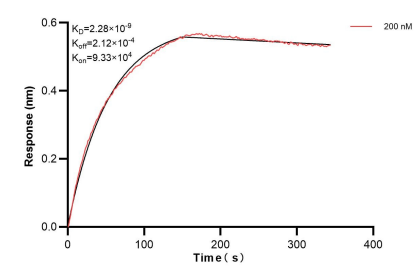
Sandwich ELISA standard curve of MP02892-2, Human DDX4/VASA Recombinant Matched Antibody Pair - PBS only. 87172-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0447. 87172-1-PBS was HRP conjugated as the detection antibody. Range: 156-5000 pg/mL



The mean DDX4/VASA concentration was determined to be 54.5 ng/mL in mouse testis tissue extract based on a 4.2 mg/mL extract load, 0.7 ng/mL in rat testis tissue extract based on a 1.5 mg/mL extract load, 0.3 ng/mL in mouse spleen tissue extract based on a 6.4 mg/mL extract load.



Cytometric bead array standard curve of MP02892-1, DDX4/VASA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87172-2-PBS. Detection antibody: 87172-1-PBS. Standard: Ag0447. Range: 0.312-40 ng/mL



Bioluminescence resonance energy transfer (BRET) kinetic assay of 87172-1-PBS against Human DDX4/VASA was performed. The affinity constant is 2.28 nM.