

For Research Use Only

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

Catalog Number: 87172-1-PBS



Basic Information

Catalog Number:

87172-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0447

GenBank Accession Number:

BC047455

GeneID (NCBI):

54514

UNIPROT ID:

Q9NQI0

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 4

Calculated MW:

690aa, 76 kDa; 724aa, 79 kDa

Purification Method:

Protein A purification

CloneNo.:

252369D3

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:

human

Background Information

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:

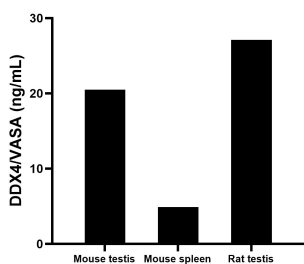
T: 4006900926

E: Proteintech-CN@ptglab.com

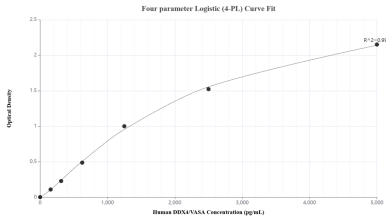
W: ptgcn.com

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

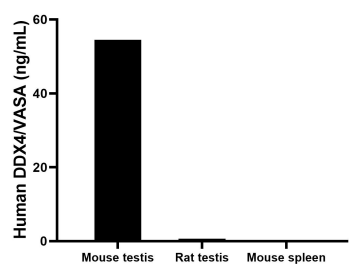
Selected Validation Data



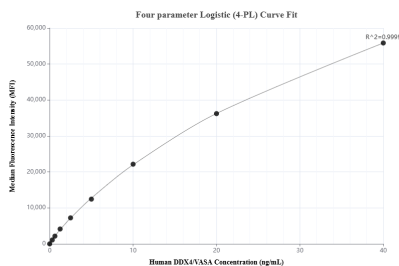
The mean DDX4/VASA concentration was determined to be 20.5 ng/mL in mouse testis tissue extract based on a 4.3 mg/mL extract load, 4.9 ng/mL in mouse spleen tissue extract based on a 6.4 mg/mL extract load and 27.1 ng/mL in rat testis tissue extract based on a 4.3 mg/mL extract load.



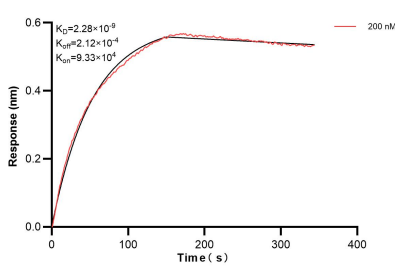
Sandwich ELISA standard curve of MP02892-2, Human DDX4/VASA Recombinant Matched Antibody Pair - PBS only. 87172-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0447. 87172-1-PBS was HRP conjugated as the detection antibody. Range: 156-5000 pg/mL



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.