

For Research Use Only

Vitamin D binding protein Monoclonal antibody



Catalog Number: 66175-1-Ig **1 Publications**

Basic Information

Catalog Number:

66175-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9803

GenBank Accession Number:

BC057228

GeneID (NCBI):

2638

UNIPROT ID:

P02774

Full Name:

group-specific component (vitamin D binding protein)

Calculated MW:

474 aa, 53 kDa

Observed MW:

52-58 kDa

Purification Method:

Protein G purification

CloneNo.:

1E4D10

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP, ChIP

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : human testis tissue,

Background Information

Vitamin D binding protein is a sparsely glycosylated serum protein responsible for highly specific binding and tissue-specific delivery of vitamin D and its metabolites. In addition, it is also an actin scavenger, and is the precursor to the immunomodulatory protein, Gc-MAF. Vitamin D binding protein has been proposed to have significant roles in C5a chemotaxis, osteoclast development and possibly in macrophage activation/recruitment.

Notable Publications

Author	Pubmed ID	Journal	Application
Lu-Ning Qin	38164156	Theranostics	IHC,IF,WB,CoIP,ChIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

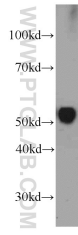
T: 4006900926

E: Proteintech-CN@ptglab.com

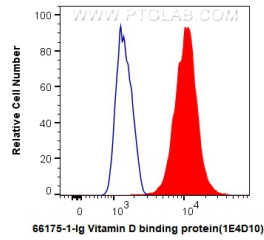
W: ptgcn.com

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Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 66175-1-ig (Vitamin D binding protein antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours.



1×10^6 U-937 cells were intracellularly stained with 0.4 ug Anti-Human Vitamin D binding protein (66175-1-ig, Clone:1E4D10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).