

For Research Use Only

Vitamin D binding protein Monoclonal antibody



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

Basic Information

Catalog Number: 66175-1-Ig	GenBank Accession Number: BC057228	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2638	CloneNo.: 1E4D10
Source: Mouse	Full Name: group-specific component (vitamin D binding protein)	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG1	Calculated MW: 474 aa, 53 kDa	
Immunogen Catalog Number: AG9803	Observed MW: 52-58 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : human testis tissue,
Cited Applications: ChIP, CoIP, IF, IHC, WB	
Species Specificity: human	
Cited Species: mouse	

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

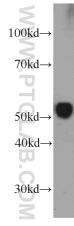
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

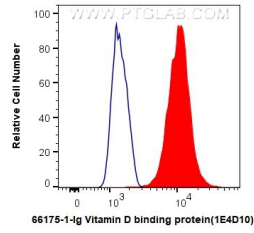
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



1X10⁶ 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).