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Vitamin D Binding protein Mouse mAb

Catalog # AP99252

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P02774
Other Accession	P02774
Reactivity	Rat, Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	52918
Physical State	Liquid
Immunogen	Recombinant human Vitamin D Binding protein
Epitope Specificity	7-474/474
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Vitamin D Binding Protein is a secreted multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and urine, and on the surface of many cell types. In plasma, it carries the vitamin D sterols and prevents polymerization of actin by binding its monomers. DBP associates with membrane bound immunoglobulin on the surface of B lymphocytes and with IgG fc receptor on the membranes of T lymphocytes.

Additional Information

Gene ID	2638
Other Names	DBP; DBP-maf; DBP/GC; GRD3; Gc-MAF; GcMAF; HEL-S-51; VDB; VDBG; VDBP; VTDB_HUMAN; GC; Gc protein-derived macrophage activating factor (Gc-MAF | GcMAF); Gc-globulin; Group-specific component (Gc); Vitamin D-binding protein-macrophage activating factor (DBP-maf); GC vitamin D binding protein; group-specific component (vitamin D binding protein); GC, vitamin D binding protein
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GC
Function	Involved in vitamin D transport and storage, scavenging of extracellular G-actin, enhancement of the chemotactic activity of C5 alpha for neutrophils in inflammation and macrophage activation.
Cellular Location	Secreted.
Tissue Location	Expressed in the liver. Found in plasma, ascites, cerebrospinal fluid and urine.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.