

Mouse Vitamin DBP ELISA Kit | GC elisa kit

Mouse Vitamin DBP PicoKine ELISA Kit

CATALOG #
AAA125270

REACTIVITY
Mouse

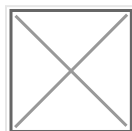
PRODUCT SYNONYMS

Vitamin DBP; Mouse Vitamin DBP PicoKine ELISA Kit; Mouse Vitamin DBP; GC; vitamin D binding protein; Vitamin D-binding protein; DBP; VDB; 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 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Gc
Sequence Length	493
Samples	Cell culture supernatants, cell lysates, serum, plasma (heparin), saliva and urine
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GC elisa kit	Background: Vitamin D-binding protein (DBP), also/originally known as gc-globulin (group-specific component), is a protein that in humans is encoded by the GC gene. It is mapped to 5 E1; 5 44.32 cM. The protein encoded by this gene belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Principle of the Assay: The Picokine™ Mouse Gc Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Gc with a 96-well strip plate that is pre-coated with antibody specific for Gc. The detection antibody is a biotinylated antibody specific for Gc. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Gc with immunogen: Expression system for standard: NS0; Immunogen sequence: L17-S476. The kit is analytically validated with ready-to-use reagents. To measure Mouse Gc, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Gc in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Gc in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324021745
NCBI GeneID	2638
NCBI Accession #	NP_001191236.1
NCBI GenBank Nucleotide #	NP_001191236.1
UniProt Accession #	P02774
NCBI Official Full Name	vitamin D-binding protein isoform 3
NCBI Official Synonym Full Names	GC vitamin D binding protein
NCBI Official Symbol	GC
NCBI Official Synonym Symbols	DBP; VDB; GRD3; VDBG; VDBP; GcMAF; DBP/GC; Gc-MAF; DBP-maf; HEL-S-51
NCBI Protein Information	vitamin D-binding protein
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	GC
UniProt Synonym Gene Names	DBP; VDB
UniProt Entry Name	VTDB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.