

Grouper Vitellogenin ELISA Kit | VTG elisa kit

Grouper Vitellogenin (VTG) ELISA Kit

CATALOG # AAA55401	REACTIVITY Grouper
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PRODUCT SYNONYMS

Vitellogenin; Grouper Vitellogenin (VTG) ELISA Kit; VTG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Grouper
Specificity	This assay has high sensitivity and excellent specificity for detection of Grouper VTG. No significant cross-reactivity or interference between Grouper VTG and analogues was observed.
Sequence Length	1770
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	100 ng/mL - 2400 ng/mL
Sensitivity	50 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for VTG elisa kit	Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for VTG and Horseradish Peroxidase (HRP) conjugated VTG. The competitive inhibition reaction is launched between with HRP labeled VTG and unlabeled VTG with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of VTG in the sample. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Grouper Vitellogenin (VTG) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58585104
NCBI GeneID	406088
NCBI Accession #	NP_001011578.1
NCBI GenBank Nucleotide #	NM_001011578.1
Molecular Weight	201,048 Da

NCBI Official Full Name	vitellogenin
NCBI Official Synonym Full Names	vitellogenin
NCBI Official Symbol	Vg
NCBI Official Synonym Symbols	GB13999
NCBI Protein Information	vitellogenin
UniProt Protein Name	Vitellogenin
UniProt Gene Name	Vg
UniProt Entry Name	VIT_APIME

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.

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Online datasheet: <https://www.aaabiotech.com/vtg-elisa-kits/vitellogenin/55401>