

Mouse Vitamin B6 (VB6) ELISA Kit | VB6 elisa kit

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CATALOG #
AAA332045

REACTIVITY
Mouse

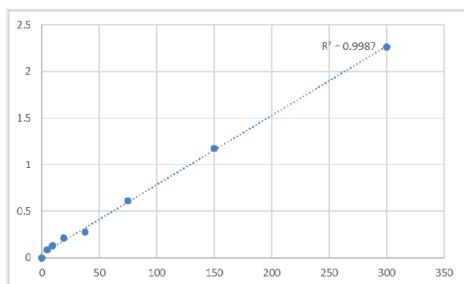
PRODUCT SYNONYMS

Vitamin B6 (VB6); Mouse Vitamin B6 (VB6) ELISA Kit; VB6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Vitamin B6 (VB6) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse VB6. No significant cross-reactivity or interference between Mouse VB6 and analogues was observed.
Sequence Length	319
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Vitamin B6 (VB6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VB6 elisa kit	Description: This Mouse Vitamin B6 (VB6) ELISA Kit employs a two-site sandwich ELISA to quantitate VB6 in samples. An antibody specific for VB6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VB6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VB6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VB6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Vitamin B6 is a water-soluble vitamin. Pyridoxine is one of the compounds that can be called vitamin B6, along with pyridoxal and pyridoxamine. Its hydrochloride salt pyridoxine hydrochloride is often used. Vitamin B6 assists in the balancing of sodium and potassium as well as promoting red blood cell production. It is linked to cardiovascular health by decreasing the formation of homocysteine. Pyridoxine may help balance hormonal changes in women and aid the immune system. It is required for the production of the monoamine neurotransmitters serotonin, dopamine, norepinephrine and epinephrine, as it is the precursor to pyridoxal phosphate: cofactor for the enzyme aromatic amino acid decarboxylase. This enzyme is responsible for converting the precursors 5-hydroxytryptophan (5-HTP) into serotonin and melatonin, and levodopa (L-DOPA) into dopamine, noradrenaline and adrenaline.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1179902462
NCBI Official Full Name	vitamin b6

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://stage.aaabiotech.com/mouse-elisa-kits/vitamin-b6-vb6/332045>