



User's Manual

Human LYPD6B ELISA Kit

REF DEIABL532

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This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

Intended Use

The Human LYPD6B ELISA Kit is used for the quantitative measurement of human LYPD6B in serum, plasma, and cell culture supernatant.

Individual users should determine appropriate conditions when using other types of samples.

This assay kit is for research use only and not for use in diagnostic or therapeutic procedures.

General Description

LYPD6B (Ly6/PLAUR domain-containing protein 6B), a member of Ly-6 superfamily, is isolated from human testis cDNA library. Ly-6 (lymphocyte antigen 6) superfamily members are cysteine-rich, normally GPI (glycosyl phosphatidylinositol)-anchored cell surface proteins, which have definite or putative immune related roles (3,4). LYPD6B contains signal peptide (N-terminal), UPAR/Ly6 domain, propeptide (C-terminal) and mature human LYPD6B is 125 amino acids in length and especially highly expressed in testis, lung, stomach, and prostate and localized in the cytoplasm. LYPD6B overexpressed in HEK 293T cells is able to activate the transcriptional activities of AP1 (PMA), but a reason of this event is unclear.

Reagents And Materials Provided

Microplate: One microplate supplied ready to use, with 96 wells (12 strips of 8-wells) in a foil, zip-lock bag with a desiccant pack. Wells are pre-coated with anti-human LYPD6B monoclonal antibody as a capture antibody.

10X Wash Buffer: One bottle containing 100 mL of 10X buffer containing Tween®-20.

Sample Dilution Buffer: One bottle containing 50 mL of 1X buffer; use for standard and sample dilution. Ready to use.

Human LYPD6B Standard: One vial containing X* ng of lyophilized recombinant human LYPD6B.

*The amount is changed depending on lot. See the real "Datasheet" included in the kit box.

Biotinylated Detection Antibody: One vial containing 12 mL of biotinylated anti-human LYPD6B monoclonal antibody . Ready to use.

100X Streptavidin-HRP: One vial containing 120 µL of 100X HRP (horseradish peroxidase) conjugated streptavidin.

Streptavidin-HRP Dilution Buffer: One bottle containing 12 mL of 1X buffer; use for dilution of 100X Streptavidin-HRP.

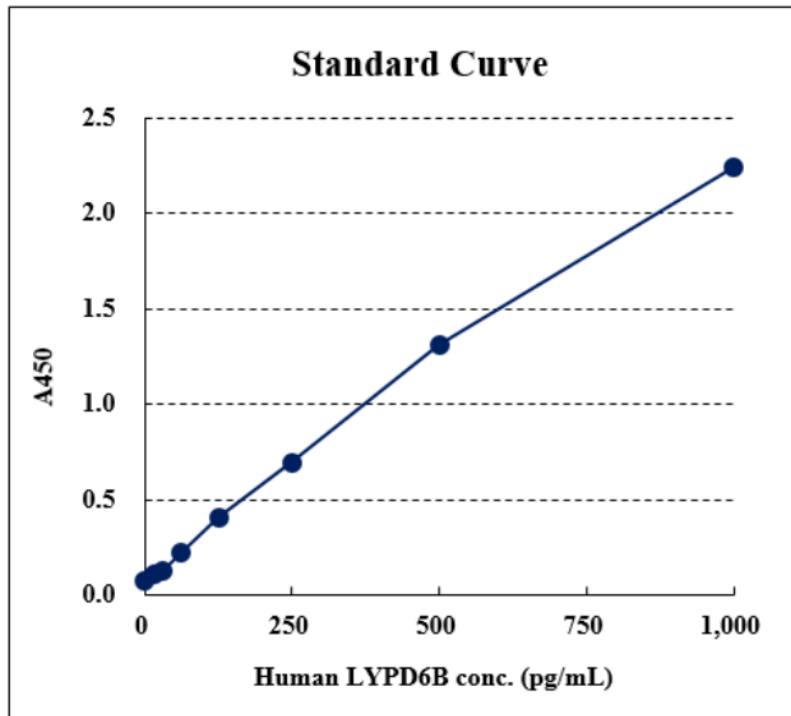
Substrate Reagent: One bottle containing 20 mL of the chromogenic substrate, tetra-methylbenzidine (TMB). Ready to use.

Stop Solution: One bottle containing 20 mL of 1 N H₂SO₄. Ready to use.

Storage

- Upon receipt store all components at 4°C.
- Don't expose reagents to excessive light.

Typical Standard Curve



Precision

Intra-assay (Within-Run, n=16) CV=4.2, 3.8, 4.2 %

Inter-assay (Run-to-Run, n=5) CV=4.3, 6.4, 7.2 %

Sensitivity

The limit of detection (defined as such a concentration of human LYPD6B giving absorbance higher than mean absorbance of blank* plus three standard deviations of the absorbance of blank: A blank + 3SD blank) is better than 9.2 pg/mL of sample.