

# Human Vesicular integral-membrane protein VIP36 (LMAN2) ELISA Kit

Catalog No: #EK10073

Orders: order@signalwayantibody.com

Package Size: #EK10073-1 48T #EK10073-2 96T

Support: tech@signalwayantibody.com

## Description

|                    |  |
|--------------------|--|
| Product Name       | Human Vesicular integral-membrane protein VIP36 (LMAN2) ELISA Kit  |
| Brief Description  | ELISA Kit  |
| Applications       | ELISA  |
| Species Reactivity | Human (Homo sapiens)   |
| Other Names        | C5orf8; GP36B; VIP36; vesicular integral protein of 36 kDa   |
| Accession No.      | Q12907   |
| Uniprot            | Q12907   |
| GeneID             | 10960;   |
| Storage            | <p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p> |

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LMAN2 in samples. An antibody specific for LMAN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLMAN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LMAN2 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 LMAN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By searching an EST database for sequences similar to dog Vip36, Neve et al. (2003) identified LMAN2, which they called VIP36. The deduced 356-amino acid protein contains an N-terminal signal sequence, followed by a lectin-type carbohydrate recognition domain and a C-terminal transmembrane domain. A KRFY endoplasmic reticulum trafficking motif is located at the C terminus. Northern blot analysis detected variable expression of 1.2- and 1.4-kb VIP36 transcripts in all tissues examined. Highest expression was in kidney, placenta, and liver.

Nufer et al. (2003) determined that the LMAN2 gene contains 8 exons and spans 14.9 kb.By genomic sequence analysis, Nufer et al. (2003) mapped the LMAN2 gene to chromosome 5q35.5.

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Note: This product is for in vitro research use only