Anti-human VLDL receptor Antibody
Monoclonal, VR-VL1A9

ORDERING INFORMATION
Catalog Number: BML031
Lot Number: 
Size: 50 µg
Formulation: 0.2 µm filtered PBS solution
Storage: -80°C
Specificity: human VLDL receptor
Immunogen: synthetic peptide
Ig Type: IgG1
Application: Western blot
Flow cytometry
Immunohistochemistry

Preparation
Produced in mice immunized with synthetic peptides, amino acid residue 200-214 (SLEQCGROPVIHTKC), which is corresponding to the linker site of ligand binding domain of human very low-density lipoprotein (VLDL) receptor (VLDL-R). VLDL-R specific IgG was purified from mouse ascites fluid with a protein A-Sepharose.

Formulation
0.2 µm filtered PBS solution

Storage
IgG in PBS solution are stable for twelve months from the date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles.

Specificity
This antibody has been selected for its ability to bind for human VLDL-R expressed in CHO cells (lal-A7). No cross-reactivity with human LDL receptor and apoER2 receptor was confirmed (see ref. 1). The amino acid sequence of synthetic peptide is identical to that in mouse, rat and rabbit, indicating that this antibody may crossreact with VLDL receptor in those animals.

Additional Applications
Western Blot - This antibody can be used at 1.0 µg/mL for western blot analysis (1).
Flow cytometry - This antibody can be used as a 1st antibody for immunohistochemistry. Please see the references (2) and (3) for details.
Immunohistochemistry - This antibody can be used for immunohistochemistry (4).

Optimal dilutions should be determined by each laboratory for each application.

References
(2) Iwasaki et al., The important role for βVLDLs binding at the forth cysteine of first ligand-binding domain in the low-density lipoprotein receptor. J Hum Genet, 2004;49:622-628.
(3) Iwasaki et al., Deficiency of the very low-density lipoprotein (VLDL) receptors in streptozotocin-induced diabetic rats: insulin dependency of the VLDL receptor. Endocrinology, 2005;146:3286-3294.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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