Anti-human LDL receptor Antibody Monoclonal, LR-LL8H6

ORDERING INFORMATION

Catalog Number: BML028

Lot Number:

Size: 50 μg

Formulation: 0.2 μm filtered PBS solution

Storage: -80˚C

Specificity: human LDL receptor

Immunogen: synthetic peptide

Ig Type: IgG2a

Application: Western blot
Flowcytometry
Immunohistochemistry

Preparation

Produced in mice immunized with synthetic peptides, aa158-175 (WPARCGARPSPQPGRGPC), which is corresponding to the ligand binding domain linker site of human low-density lipoprotein (LDL) receptor (LDL-R). LDL-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 LDL-R expressed in CHO cells (*ldl-A7*). No cross-reactivity with human VLDL receptor and apoER2 receptor was confirmed (see ref. 1).

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

(1) Kosaka et al., Evidence of macrophage form cell formation by very low-density lipoprotein receptor: Interferon-γ inhibition of very low-density lipoprotein receptor expression and form cell formation in macrophages. Circulation, 2001;103:1142-1147.

(2) Takahashi et al., A novel mutation in exon 2 of the low-density lipoprotein-receptor gene in a patient with homozygous familial hypercholesterolemia. Clin Genet, 2001;59:290-292.

(3) Iwasaki et al., The important role for ßVLDLs binding at the forth cysteine of first ligand-binding domain in the low-density lipoprotein receptor. J Hum Genet, 2004;49:622-628.

(4) Motoi et al., Apolipoprotein E receptor 2 is involved in neuritic plaque formation in APP sw mice. Neurosci Lett, 2004;368:144-147

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