Technical Data Sheet

InVivoMAb anti-mouse/rat/bovine VLDL-R

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0345**
Clone:	**IgG-6A6**
Isotype:	Mouse IgG1, λ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	A peptide corresponding to the 10 C-terminal AA's (SVVSTDDDLA) of rat VLDL-R coupled to KLH.
Reported Applications:	Western blot
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2894764
Molecular Weight:	150 kDa

Description

The IgG-6A6 monoclonal antibody reacts with the cytoplasmic tail of mouse, rat, and bovine very low-density lipoprotein receptor (VLDL-R). IgG-6A6 has also been reported to cross-react with human VLDL-R. VLDL-R is a member of the low-density lipoprotein (LDL) receptor family. The VLDL-R binds to triglyceride (TG)-rich lipoproteins but not LDL. VLDL-R is expressed in fatty acid-active tissues including heart, skeletal muscle, fat, and brain. Macrophages and dendritic cells also express VLDL-R. In contrast to the LDL receptor, VLDL-R binds apolipoprotein (apo) E2/2 VLDL particles as well as apoE3/3 VLDL. Various functions of the VLDL-R have been reported in lipoprotein metabolism, metabolic syndrome/atherosclerosis, cardiac fatty acid metabolism, neuronal migration, angiogenesis/tumor growth, and asthma.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration

experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0345?bxcs=9k1b3a#tab_references or scan the QR code below.

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