RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross,GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and DataSheet

Mouse Anti-LDL Receptor

Catalog No.	Species	Isotype
MD-14-0408	Human	IgG2b

Description: MAb to LDL Receptor
Monoclonal Antibody to Human/Bovine Low Density Lipoprotein (LDL) Receptor

Specificity: Recognizes an epitope in the region of repeat #1 of the ligand binding region. Addition of 15nM antibody results in inhibition of half-maximal LDL-binding.(1) Recognizes human and cow. Does not react with rat, mouse, hamster (chinese hamster ovary cells), dog and rabbit.

Host Animal: Mouse

Isotype: IgG_{2b}, kappa

Immunogen: Purified bovine adrenal cortex LDL receptor

Format: Purified, Lyophilized
Reconstitute with 1ml distilled water.

Concentration: 50 ug/ml (prior to lyophilization)

Affinity Constant: Not determined

Buffer: Lyophilized from PBS, pH 7.4 containing 0.5% BSA

Preservative: None

Applications: Western blot
Flow cytometry
Immunofluorescence microscopy (1:10 – 1:50)
Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

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Storage: Store lyophilized product at 2-8°C. After reconstitution, product is stable for up to one year when stored at 2-8°C when a preservative (e.g. Thimerosal) has been added. Prepare working dilution only prior to immediate use.

References: The references listed below are for research purposes only.

1. Beisiegel, U., et al., (1981), "Monoclonal antibodies to the low density lipoprotein receptor as probes for study of receptor-mediated endocytosis and the genetics of familial hypercholesterolemia", J. Biol. Chem., 256, 11923-11931.
2. Beisiegel, U., et al., (1982), "Immunoblot analysis of low density lipoprotein receptor in fibroblasts from subjects with familial hypercholesterolemia", J. Biol. Chem., 257, 13150-13156.
3. Schmitz, G., et al., (1993), "Fluorescence flow cytometry of human leukocytes in the detection of LDL receptor defects in the differential diagnosis of hypercholesterolemia", Arteriosclerosis & Thrombosis, 13, 1053-1065.
4. Virgolini, I., et al., (1995), "Characterization of LDL and VLDL binding sites on human basophils and mast cells", Arteriosclerosis, Thrombosis & Vascular Biology, 15, 17-26.