

# Product Datasheet



## Product Description

<b>Product:</b>	Anti Human VLDL receptor, clone 5F3
<b>Catalog Number:</b>	IMA-5F3
<b>Description:</b>	Monoclonal antibody produced in mouse. Useful for ELISA and western blot under reducing and non-reducing conditions. Binds to an epitope on the VLDL receptor ligand binding domain (amino acids 31-355, UniProtKB: locus VLDLR_HUMAN, accession P98155). Purified by immobilized Protein A. IgG1 class. References: Functional domains of the very low density lipoprotein receptor: molecular analysis of ligand binding and acid-dependent ligand dissociation mechanisms. Mikhailenko I et al. Journal of Cell Science 112, 3269-3281 (1999). The apoE isoform binding properties of the VLDL receptor reveal marked differences from LRP and the LDL receptor. Ruiz J et al. Journal of Lipid Research 46, 1721-1731 (2005).
<b>Recommended Storage:</b>	-70 C
<b>Shipping Conditions:</b>	Dry ice
<b>Minimum Shelf Life:</b>	5 years from delivery

## Technical Information

<b>Purity:</b>	IgG fraction
<b>Source:</b>	Hybridoma cell culture
<b>Molecular Weight:</b>	160,000
<b>Extinction Coefficient:</b>	1.36
<b>Antigen:</b>	Recombinant fragment of soluble VLDL receptor containing ligand binding repeats 1-8 (sVLDLr1-8).
<b>Target:</b>	Recognises VLDL receptor ligand binding domain (31-355)
<b>Target Molecular Weight:</b>	85,000
<b>Host:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Isotype:</b>	IgG1
<b>Clone:</b>	5F3
<b>Applications:</b>	ELISA, WB
<b>Cross-reactivity:</b>	Hu

## Sample Characteristics

<b>Lot Number:</b>	IMA-5F3-SAMPLE
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**Aliquot:** 1 x 1.0 mg  
**Concentration:** 5.0 mg/ml  
**Volume:** 0.2 ml  
**Buffer:** 0.05M Sodium Phosphate; 0.1M NaCl; 1mM EDTA; pH 6.6  
**Form:** Frozen liquid

For In Vitro laboratory use only

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