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Product datasheet for TA802781BM

Macrophage Scavenger Receptor I (MSR1) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1F10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F10
Applications:	WB
Recommended Dilution:	WB 1:200 - 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 197-451 of human MSR1(NP_619730) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42.8 kDa
Gene Name:	macrophage scavenger receptor 1
Database Link:	NP_619730 Entrez Gene 4481 Human P21757

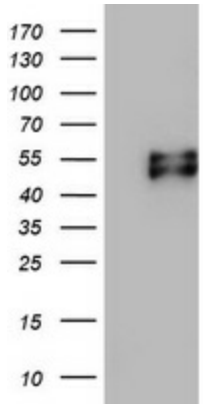
View online »

Background: This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages. [provided by RefSeq, Jul 2008]

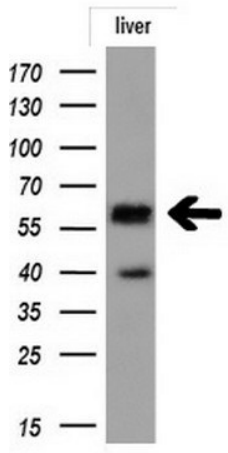
Synonyms: CD204; phSR1; phSR2; SCARA1; SR-A; SRA

Protein Families: Druggable Genome, Transmembrane

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MSR1 ([RC223314], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MSR1. Positive lysates [LY408527] (100ug) and [LC408527] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 1 Human tissue by using anti-MSR1 monoclonal antibody at 1:200.