

Datasheet for ABIN7599407

anti-Macrophage Scavenger Receptor 1 antibody (AA 1-451)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Binding Specificity:	AA 1-451
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CD204/Msr1 Antibody Picoband®
Immunogen:	E.coli-derived mouse CD204/Msr1 recombinant protein (Position: M1-D451).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-/Msr1 Antibody Picoband® (ABIN7599407). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	Msr1 (MSR1 Products)
Background:	Synonyms: Acid-sensing ion channel 1, ASIC1, Amiloride-sensitive cation channel 2, neuronal, Brain sodium channel 2, BNaC2, ASIC1, ACCN2, BNAC2 Tissue Specificity: Expressed in most or all neurons. Background: Macrophage scavenger receptor 1, also known as MSR1, is a protein which in humans is encoded by the MSR1 gene. Enables amyloid-beta binding activity, cargo receptor activity, and low-density lipoprotein particle binding activity. Involved in several processes, including endocytosis, positive regulation of cholesterol storage, and positive regulation of macrophage derived foam cell differentiation. Acts upstream of or within lipoprotein transport. Located in plasma membrane. Is expressed in several structures, including alimentary system, limb, neural tube, reproductive system, and yolk sac. Human ortholog(s) of this gene implicated in Barrett's esophagus, arteriosclerosis, and prostate cancer. Orthologous to human MSR1 (macrophage scavenger receptor 1).
Molecular Weight:	75-90 kDa
Gene ID:	20288
UniProt:	P30204

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Gross, M. B. Personal Communication. Baltimore, Md. 9/30/2015. 2. Hemmasi, S., Czulkies, B. A., Schorch, B., Veit, A., Aktories, K., Papatheodorou, P. Interaction of the Clostridium difficile binary toxin CDT and its host cell receptor, lipolysis-stimulated lipoprotein receptor (LSR). J. Biol. Chem. 290: 14031-14044, 2015. 3. Maddirevula, S., Alhebbi, H., Alqahtani, A., Algoufi, T., Alsaif, H. S., Ibrahim, N., Abdulwahab, F., Barr, M., Alzaidan, H., Almehaideb, A., AlSasi, O., Alhashem, A., Al-Hussaini, H., Wali, S., Alkuraya, F. S. Identification of novel loci for pediatric cholestatic liver disease defined by KIF12, PPM1F, USP53, LSR, and WDR83OS pathogenic variants. Genet. Med. 21: 1164-1172, 2019.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.