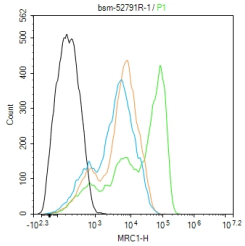
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

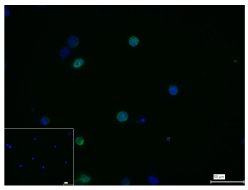
MRC1 Recombinant Rabbit mAb

Catalog Number:	bsm-52791R
Target Protein:	MRC1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	CD206
Isotype:	IgG
Applications:	WB (1:500-2000), Flow-Cyt (1ug/Test), ICC/IF (1:100)
Reactivity:	Human
Predicted MW:	166/140 kDa
Entrez Gene:	4360
Swiss Prot:	P22897
Source:	KLH conjugated synthetic peptide derived from human Macrophage mannose receptor 1: 1400-1456/1456.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	The recognition of complex carbohydrate structures on glycoproteins is an important part of several biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of pathogens. The protein encoded by this gene is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. The protein has been shown to bind high-mannose structures on the surface of potentially pathogenic viruses, bacteria, and fungi so that they can be neutralized by phagocytic engulfment. This gene is in close proximity to MRC1L1. The gene loci including this gene, MRC1L1, as well as LOC340843 and LOC340893, consist of two nearly identical, tandemly linked genomic regions, which are thought to be a part of a duplicated region. [provided by RefSeq].

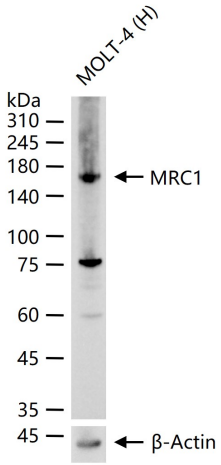
VALIDATION IMAGES



The Molt-4(H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-MRC1 antibody (bsm-52791R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.



4% Paraformaldehyde-fixed Molt-4 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (MRC1) monoclonal Antibody, unconjugated (bsm-52791R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



25 ug total protein per lane of various lysates (see on figure) probed with MRC1 monoclonal antibody, unconjugated (bsm-52791R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.3] Anke Zhang. et al. Biodegradable magnesium-based alloy skull repairment (MASR) for skull bone defect: In vitro and in vivo evaluation. CHEM ENG J. 2024 Aug;493:152761 IF ; Mouse . 10.1016/j.cej.2024.152761

[IF=9.5] Xianmou Fan. et al. A Multifunctional, Tough, Stretchable, and Transparent Curcumin Hydrogel with Potent Antimicrobial, Antioxidative, Anti-inflammatory, and Angiogenesis Capabilities for Diabetic Wound Healing. ACS APPL MATER INTER. 2024;16(8):9749–9767 IF ; Mouse . 38359334

[IF=6.8] Qiong Ning. et al. Tim-3 facilitates immune escape in benzene-induced acute myeloid leukemia mouse model by promoting macrophage M2 polarization. ECOTOX ENVIRON SAFE. 2023 Nov;266:115532 IF ; Mouse . 37806131

[IF=3.4] Bingxin Zhao. et al. Thymoquinone regulates microglial M1/M2 polarization after cerebral ischemia-reperfusion injury via the TLR4 signaling pathway. NEUROTOXICOLOGY. 2024 Mar;101:54 IF ; Mouse . 38325603