

## Datasheet

### MRC1 monoclonal antibody (M02), clone 5C11

**Catalog Number:** H00004360-M02

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant MRC1.

**Clone Name:** 5C11

**Immunogen:** MRC1 (NP\_002429, 22 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

TRQFLIYNEDHKRCVDAVSPSAVQTAACNQDAESQKF  
RWVSESQIMSVAFKLCLGVPSKTDWVAITLYACDSKS  
EFQKWECKNDTLLGIKGEDLFFNYGNRQEKNIMLY

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, S-ELISA, WB-Re, WB-Ti  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4360

**Gene Symbol:** MRC1

**Gene Alias:** CD206, CLEC13D, MMR

**Gene Summary:** 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]

**References:**

1. Xanthogranulomatous cholecystitis: A clinicopathological study of its association with gallbladder carcinoma. Zhuang PY, Zhu MJ, Wang JD, Zhou XP, Quan ZW, Shen J. J Dig Dis. 2012 Sep 21. doi: 10.1111/j.1751-2980.2012.00645.x. [Epub ahead of print]
2. Coronary Atherosclerosis Is Associated With Macrophage Polarization in Epicardial Adipose Tissue. Hirata Y, Tabata M, Kurobe H, Motoki T, Akaike M, Nishio C, Higashida M, Mikasa H, Nakaya Y, Takanashi S, Igarashi T, Kitagawa T, Sata M. J Am Coll Cardiol. 2011 Jul 12;58(3):248-55.