

# Product Datasheet

## MMR/CD206/Mannose Receptor Antibody (5C11) - Azide and BSA Free H00004360-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004360-M02**

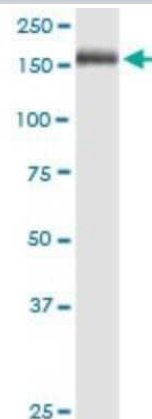
MMR/CD206/Mannose Receptor Antibody (5C11) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 mg   |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | 5C11   |
| Preservative                | No Preservative  |
| Isotype                     | IgG1 Kappa   |
| Purity                      | IgG purified   |
| Buffer                      | In 1x PBS, pH 7.4  |
| Product Description         |  |
| Description                 | Quality control test: Antibody Reactive Against Recombinant Protein.   |
| Host                        | Mouse  |
| Gene ID                     | 4360   |
| Gene Symbol                 | MRC1   |
| Species                     | Human, Fungi, Monkey   |
| Reactivity Notes            | Fungi reactivity reported in scientific literature (PMID: 25506589).   |
| Specificity/Sensitivity     | MRC1 (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.<br>TRQFLIYNEDHKRCVDAVSPSAVQTAACNQDAESQKFRWVSESQIMSVAFKLC<br>LGVPSKTDWVAITLYACDSKSEFQKWECKNDTLLGIKGEDLFFNYGNRQEKNIMLY                    |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.   |
| Product Application Details |  |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500  |
| Application Notes           | Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control. It has been used for IHC-P. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 24874253). |

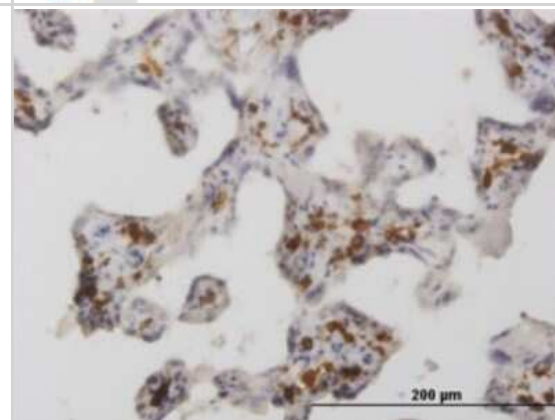


## Images

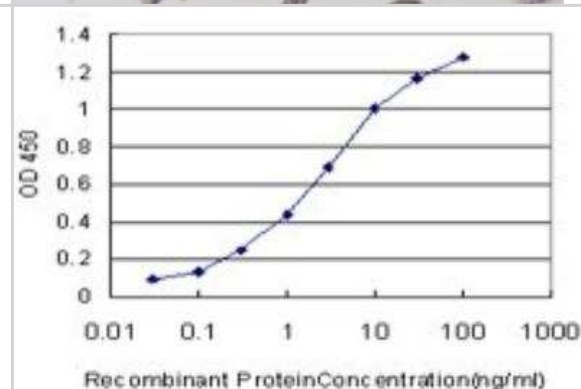
Western Blot: MMR/CD206/Mannose Receptor Antibody (5C11) [H00004360-M02] - MRC1 monoclonal antibody (M02), clone 5C11. Analysis of MRC1 expression in human pancreas.



Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody (5C11) [H00004360-M02] - Analysis of monoclonal antibody to MRC1 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 1.5 ug/ml.



ELISA: MMR/CD206/Mannose Receptor Antibody (5C11) [H00004360-M02] - Detection limit for recombinant GST tagged MRC1 is approximately 0.03ng/ml as a capture antibody.



## Publications

- Eiichi O, Naing A, Rintaro O et al. The Distribution of Macrophage Subtypes and Their Relationship to Bone Morphogenetic Protein 2 in Calcified Aortic Valve Stenosis. *Am J Transl Res*. 2020-05-15 [PMID: 32509172]
- Hussein K, Stucki-Koch A, Müller A et al. Complement receptor-associated CD163+/CD18+/CD11c+/CD206-/CD209-expression profile in chronic histiocytic intervillitis of the placenta. *Placenta*. 2019-02-15 [PMID: 30955707]
- Cheng P, Yukio F, Hasita H et al. Cyclic sulfur compounds targeting macrophage polarization into M2/protumor phenotype and their anti-tumor effects. *Cancer Immunol Immunother*. 2021-10-16 [PMID: 34655303]
- ASMR Haque, M Moriyama, K Kubota, N Ishiguro, M Sakamoto, A Chinju, K Mochizuki, T Sakamoto, N Kaneko, R Munemura, T Maehara, A Tanaka, JN Hayashida, S Kawano, T Kiyoshima, S Nakamura CD206+ tumor-associated macrophages promote proliferation and invasion in oral squamous cell carcinoma via EGF production *Sci Rep*, 2019-10-10;9(1):14611. 2019-10-10 [PMID: 31601953]
- Takuma M, Masato F, Ryosuke N et al. Comparison of Phenotypes in Subcutaneous Fat and Perivascular Adipose Tissue Surrounding the Saphenous Vein in Coronary Artery Bypass Grafting. *Circ J*. 2023-02-03 [PMID: 36740256]
- Takanobu K, Rintaro O, Naing A et al. Potential role of M2 TAMs around lymphatic vessels during lymphatic invasion in papillary thyroid carcinoma. *Sci Rep*. 2021-01-13 [PMID: 33441903]
- Yuming L, Jinmai Z, Zhuo W et al. Multi-omics characterization reveals the pathogenesis of liver focal nodular hyperplasia. *iScience*. 2022-08-11 [PMID: 36060063]
- Numaguchi R, Furuhashi M, Matsumoto M et al. Differential Phenotypes in Perivascular Adipose Tissue Surrounding the Internal Thoracic Artery and Diseased Coronary Artery. *J Am Heart Assoc*. 2019-03-07 [PMID: 30638109]
- Ko A, Kang G, Hattler JB et al. Macrophages but not Astrocytes Harbor HIV DNA in the Brains of HIV-1-Infected Aviremic Individuals on Suppressive Antiretroviral Therapy. *J Neuroimmune Pharmacol* 2018-09-07 [PMID: 30194646]
- Wehrhan F, Buttner-Herold M, Distel L et al. Galectin 3 expression in regional lymph nodes and lymph node metastases of oral squamous cell carcinomas. *BMC Cancer* 2018-08-16 [PMID: 30115022]
- Weber M, Schlittenbauer T, Moebius P et al. Macrophage polarization differs between apical granulomas, radicular cysts, and dentigerous cysts. *Clin Oral Investig* 2017-05-13 [PMID: 28501945]
- Nakagawa T, Ohnishi K, Kosaki Y et al. Optimum immunohistochemical procedures for analysis of macrophages in human and mouse formalin fixed paraffin-embedded tissue samples. *J Clin Exp Hematop* 2017-05-08 [PMID: 28679964]
- More publications at <http://www.novusbio.com/H00004360-M02>





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### **Products Related to H00004360-M02**

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-90020PEP    | MMR/CD206/Mannose Receptor Recombinant Protein Antigen  |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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