

## ARG22472 anti-EMR1 F4/80 antibody [Cl:A3-1] (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

|                     |                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Biotin-conjugated Rat Monoclonal antibody [Cl:A3-1] recognizes EMR1 F4/80<br>This antibody recognizes the murine F4/80 antigen, a 160 kD cell surface glycoprotein, member of the EGF-TM7 family. |
| Tested Reactivity   | Ms                                                                                                                                                                                                |
| Tested Application  | FACS                                                                                                                                                                                              |
| Host                | Rat                                                                                                                                                                                               |
| Clonality           | Monoclonal                                                                                                                                                                                        |
| Clone               | Cl:A3-1                                                                                                                                                                                           |
| Isotype             | IgG2b                                                                                                                                                                                             |
| Target Name         | EMR1 F4/80                                                                                                                                                                                        |
| Species             | Mouse                                                                                                                                                                                             |
| Immunogen           | Thioglycollate stimulated peritoneal macrophages from C57BL/6 mice.                                                                                                                               |
| Conjugation         | Biotin                                                                                                                                                                                            |
| Alternate Names     | EGF-like module-containing mucin-like hormone receptor-like 1; EMR1 hormone receptor; EMR1; Adhesion G protein-coupled receptor E1; EGF-like module receptor 1; TM7LN3                            |

### Application Instructions

| Application table | <table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>Neat - 1:10</td></tr></tbody></table>                                                                                                  | Application | Dilution | FACS | Neat - 1:10 |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|------|-------------|
| Application       | Dilution                                                                                                                                                                                                                               |             |          |      |             |
| FACS              | Neat - 1:10                                                                                                                                                                                                                            |             |          |      |             |
| Application Note  | FACS: Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |          |      |             |

### Properties

|                     |                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                       |
| Purification        | Purification with Protein G.                                                                                                                                                                                                 |
| Buffer              | PBS, 0.09% Sodium azide and 1% BSA.                                                                                                                                                                                          |
| Preservative        | 0.09% Sodium azide                                                                                                                                                                                                           |
| Stabilizer          | 1% BSA                                                                                                                                                                                                                       |
| Concentration       | 0.1 mg/ml                                                                                                                                                                                                                    |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol    | Adgre1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Full Name | adhesion G protein-coupled receptor E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Background     | EMR1 F4/80 has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012] |
| Function       | EMR1 F4/80: Orphan receptor involved in cell adhesion and probably in cell-cell interactions specifically involving cells of the immune system. May play a role in regulatory T-cells (Treg) development. [UniProt]                                                                                                                                                                                                                                                                                                                 |
| Highlight      | Related products:<br><a href="#">EMR1 F4/80 antibodies</a> ; <a href="#">EMR1 F4/80 Duos / Panels</a> ; <a href="#">Anti-Rat IgG secondary antibodies</a> ;<br>Related news:<br><a href="#">Exploring Antiviral Immune Response</a>                                                                                                                                                                                                                                                                                                 |
| Research Area  | Mouse Inflammatory Cell Marker antibody; Macrophage Marker antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calculated Mw  | 98 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |