Datasheet for ABIN5647714

**Recombinant Rabbit anti-Human IgM Antibody**

### Overview

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>250 μg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>IgM</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>Human</td>
</tr>
<tr>
<td>Host:</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Antibody Type:</td>
<td>Recombinant Antibody</td>
</tr>
<tr>
<td>Clonality:</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Application:</td>
<td>ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunocytochemistry (ICC)</td>
</tr>
</tbody>
</table>

### Product Details

| Immunogen: | Human IgM was used as the immunogen for this recombinant Human IgM antibody. |
| Clone:     | RM121 |
| Isotype:   | IgG |
| Characteristics: | This recombinant Human IgM antibody reacts to the heavy chain of human IgM. No cross reactivity with human IgG, IgA, IgD, or IgE. |
| Purification: | Purified |

### Target Details

| Target: | IgM |
| Abstract: | IgM Products |
| Target Type: | Antibody |
### Target Details

**Background:** This recombinant Human IgM antibody reacts to the heavy chain of human IgM. No cross reactivity with human IgG, IgA, IgD, or IgE.

**Gene ID:** 3507

**UniProt:** P01871

### Application Details

**Application Notes:** The stated application concentrations are suggested starting points. Titration of the recombinant Human IgM antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. A pH 6 Citrate buffer or pH 9 Tris/EDTA buffer HIER step is recommended for testing of FFPE tissue sections.

   - ELISA: 50 ng/well - 200 ng/well (Capture), 0.05-0.2 μg/mL (Detection),
   - Immunocytochemistry: 0.5-2 μg/mL,
   - Immunohistochemistry: 0.5-2 μg/mL.

**Restrictions:** For Research Use only

### Handling

**Buffer:** 1 mg/mL in PBS without glycerol/BSA/sodium azide

**Storage:** -20 °C

**Storage Comment:** Store the recombinant Human IgM antibody at -20°C (with glycerol) or aliquot and store at -20°C (without glycerol).

### Images

**ELISA**

**Image 1.** ELISA Titration: the plate was coated with different amounts of human IgM. A serial dilution of the recombinant Human IgM antibody was used as the primary and an alkaline phosphatase conjugated anti-rabbit IgG as the secondary.
**ELISA**

**Image 2.** Sandwich ELISA of human plasma using the recombinant Human IgM antibody as the capture (100ng/well), and biotinylated anti-human light chains (λ, kappa+, lambda) antibody RM129 as the detect, followed by an alkaline phosphatase conjugated streptavidin.

**ELISA**

**Image 3.** ELISA of human immunoglobulins shows the recombinant Human IgM antibody reacts only to IgM. No cross reactivity with IgG, IgE, IgD, or IgA.