**Datasheet: MCA949A488**

**Description:** RAT ANTI MOUSE CD205:Alexa Fluor® 488

**Specificity:** CD205

**Other names:** DEC205

**Format:** ALEXA FLUOR® 488

**Product Type:** Monoclonal Antibody

**Clone:** NLDC-145

**Isotype:** IgG2a

**Quantity:** 100 TESTS/1ml

**RRID** AB_322465

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Technology</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
<td></td>
<td>Neat - 1/10</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Mouse

**Product Form** Purified IgG conjugated to Alexa Fluor® 488 - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>Alexa Fluor®488</td>
<td>495</td>
<td>519</td>
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**Preparation** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers**

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<th>Preservative</th>
<th>Stabiliser</th>
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<tr>
<td>0.09% Sodium Azide</td>
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<tr>
<td>1% Bovine Serum Albumin</td>
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**Approx. Protein Concentrations** IgG concentration 0.05 mg/ml

**Immunogen** Mouse lymph node stroma.

**External Database Links** UniProt:
**Related reagents**

- **Entrez Gene:**
  - 17076 Ly75

**Synonyms**

Cd205

**Specificity**

*Rat anti Mouse CD205, clone NLDC-145* recognizes DEC-205, a ~205 kDa integral membrane glycoprotein expressed by mouse dendritic cells and thymic epithelial cells. It is absent in bone marrow cells, all blood cells and freshly isolated macrophages from the peritoneal cavity. A subpopulation of the latter becomes positive in mice previously stimulated with thioglycollate. It is also absent on follicular dendritic cells of B cell follicles.

The antigen is found on la positive interdigitating cells in T cell areas of all secondary lymphoid organs. It is also present on veiled cells. In non-lymphoid organs, the antigen is only found on Langerhans cells of the skin but cross reactions with la positive thymic epithelial cells and intestinal villus epithelial cells are also observed.

DEC-205 is expressed at the cell surface of unfixed cells but can also be found in the cytoplasm of fixed cells.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).

**References**


### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

18 months from date of despatch.

### Acknowledgements

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### Health And Safety Information


### Regulatory

For research purposes only

### Related Products

**Recommended Negative Controls**

**RAT IgG2a NEGATIVE CONTROL: Alexa Fluor® 488 (MCA1212A488)**

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**Printed on 11 Oct 2019**