Datasheet: MCA1940P750

**Description:** MOUSE ANTI HUMAN CD19:RPE-Alexa Fluor® 750

**Specificity:** CD19

**Format:** RPE-ALEXA FLUOR® 750

**Product Type:** Monoclonal Antibody

**Clone:** LT19

**Isotype:** IgG1

**Quantity:** 100 TESTS/1ml

### Product Details

| RRID   | AB_808397 |

**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>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Neat</td>
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</table>

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.

(1) **Tandem conjugates of RPE - Alexa Fluor® 750 display fluorescence properties that are virtually identical to those of RPE - Cy5 tandem conjugates.**

**Target Species**

Human

**Product Form**

Purified IgG conjugated to R. Phycoerythrin (RPE) - Alexa Fluor® 750 - lyophilized

**Reconstitution**

Reconstitute with 1 ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE-Alexa Fluor®750</td>
<td></td>
<td></td>
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<tr>
<td>488nm laser</td>
<td>496</td>
<td>779</td>
</tr>
<tr>
<td>561nm laser</td>
<td>546</td>
<td>779</td>
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</tbody>
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**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide
1% Bovine Serum Albumin

**External Database Links**

**UniProt:**

- [P15391](http://www.uniprot.org/uniprot/P15391)
- Related reagents
### Specificity

**Mouse anti Human CD19 antibody, clone LT19** recognizes human CD19 also known as T-cell surface antigen Leu-12 or B-lymphocyte surface antigen B4. CD19 is a ~95 kDa type I single pass transmembrane glycoprotein expressed on follicular dendritic cells and B-cells during maturation but is lost on development into plasma cells (**de Rie et al. 1989**).

CD19 is the broadest lineage specific marker for B cells and functions as a B-cell co-receptor in conjunction with CD21 (**Bradbury et al. 1992**), CD9, CD81 and CD82 (**Horváth et al. 1998**). CD19 is implicated in the down-regulation of B cell growth and proliferation (**Pezzutto et al. 1987**).

### Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells or cells or 100ul whole blood.

### References


### Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.
DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**
12 months from date of reconstitution.

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**Health And Safety Information**

**Regulatory**
For research purposes only

**Related Products**

**Recommended Negative Controls**
MOUSE IgG1 NEGATIVE CONTROL:RPE-Alexa Fluor® 750 (MCA928P750)

**Recommended Useful Reagents**
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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