Datasheet: MCA1940EL

**Description:** MOUSE ANTI HUMAN CD19:Low Endotoxin

**Specificity:** CD19

**Format:** Low Endotoxin

**Product Type:** Monoclonal Antibody

**Clone:** LT19

**Isotype:** IgG1

**Quantity:** 0.5 mg

**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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>y</td>
<td>n</td>
<td>n</td>
<td>1/50 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td>y</td>
<td>n</td>
<td>n</td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td>n</td>
<td>y</td>
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<tr>
<td>ELISA</td>
<td>y</td>
<td>n</td>
<td>n</td>
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<tr>
<td>Immunoprecipitation</td>
<td>y</td>
<td>n</td>
<td>n</td>
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<tr>
<td>Western Blotting</td>
<td></td>
<td>n</td>
<td>y</td>
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</tbody>
</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.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG from ascites prepared by precipitation and ion exchange chromatography.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

None present

**Endotoxin Level**

<0.01 EU/ug

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**External Database**

UniProt:
**Entrez Gene:**

930  CD19  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 in 100ul.

**References**

Storage

Store at -20°C only.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Recommended Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin (MCA928EL)