Datasheet: MCA1271PE

**Description:** MOUSE ANTI HUMAN CD33:RPE

**Specificity:** CD33

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** WM53

**Isotype:** IgG1

**Quantity:** 100 TESTS

**RRID:** AB_321664

**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 - 1/5</td>
</tr>
</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 conjugated to R. Phycoerythrin (RPE) - 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 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</tbody>
</table>

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide
1% Bovine Serum Albumin
5% Sucrose

**Immunogen**

Human AML cells

**External Database Links**

UniProt: [P20138](https://www.uniprot.org/uniprot/P20138) Related reagents
**Entrez Gene:**

| 945 | CD33 | Related reagents |

**Synonyms**  
SIGLEC3

**Fusion Partners**  
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

**Specificity**  
Mouse anti Human CD33 antibody, clone WM53 recognizes the human CD33 cell surface glycoprotein. This antigen, considered to be specific for the myeloid lineage, has also been reported to be present on cells of lymphoid origin.

Mouse anti Human CD33 antibody, clone WM53 immunoprecipitates a protein of ~75kDa from myeloid cells, a smaller protein of approximately 67kDa has been observed in immunoprecipitates from lymphoid targets.

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

**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.

### Guarantee

12 months from date of reconstitution.

### Health And Safety Information


### Regulatory

For research purposes only

### Related Products

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

**Recommended Useful Reagents**

- HUMAN SEROBLOCK (BUF070A)
- HUMAN SEROBLOCK (BUF070B)