Datasheet: MCA1271A488

**Description:** MOUSE ANTI HUMAN CD33:Alexa Fluor® 488

**Specificity:** CD33

**Format:** ALEXA FLUOR® 488

**Product Type:** Monoclonal Antibody

**Clone:** WM53

**Isotype:** IgG1

**Quantity:** 100 TESTS/1ml

### RRID

AB_324735

### 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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
</table>
| Flow Cytometry|     |    |               | Neat

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 Alexa Fluor® 488 - liquid

### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®488</td>
<td>495</td>
<td>519</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

### Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

### Immunogen

Human AML cells

### External Database Links

UniProt: [P20138](https://www.uniprot.org/uniprot/P20138)  Related reagents
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

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 or 100ul whole blood.

References
imaging of acute myeloid leukemia. **Blood. 121 (7): e34-42.**

**Storage**

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

This product should be stored undiluted. This product is photosensitive and should be protected from light.

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**

**MOUSE IgG1 NEGATIVE CONTROL:** Alexa Fluor® 488 (MCA928A488)

**Recommended Useful Reagents**

**HUMAN SEROBLOCK (BUF070A)**

**HUMAN SEROBLOCK (BUF070B)**

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