Datasheet: MCA1271A488T

Description: MOUSE ANTI HUMAN CD33:Alexa Fluor® 488

Specificity: CD33

Format: ALEXA FLUOR® 488

Product Type: Monoclonal Antibody

Clone: WM53

Isotype: IgG1

Quantity: 25 TESTS/0.25ml

Product Details

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>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td></td>
<td></td>
<td></td>
<td>Neat</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: Human

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

Max Ex/Em

<table>
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<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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<tr>
<td>0.09% Sodium Azide</td>
<td>1% Bovine Serum Albumin</td>
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Approx. Protein Concentrations: IgG concentration 0.05 mg/ml

Immunogen: Human AML cells

External Database Links

UniProt: P20138 Related reagents

Entrez Gene:
## 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 or 100ul whole blood.

## References
**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.

**Shelf Life**

18 months from date of despatch.

**Acknowledgements**

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**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended 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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