

## Datasheet: VMA00121

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI RUNX3       |
| <b>Specificity:</b>  | RUNX3                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | 2B3                    |
| <b>Isotype:</b>      | IgG2b                  |
| <b>Quantity:</b>     | 100 µl                 |

## 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](http://www.bio-rad-antibodies.com/protocols).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.  |
| <b>Buffer Solution</b>          | Phosphate buffered saline.  |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> ).   |

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml.   |
| <b>Immunogen</b>                      | Purified recombinant fragment of human RUNX3 (amino acids 186-252) expressed in <i>E. coli</i>   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q13761</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">864</a>    RUNX3    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | AML2, CBFA3, PEBP2A3   |
| <b>Specificity</b>                    | <p><b>Mouse anti Human RUNX3 antibody</b> recognizes RUNX3, also known as CBF-alpha-3, PEA2 alpha C, PEA2-alpha C, PEBP2 alpha C, PEBP2-alpha C, SL3-3 enhancer factor 1 alpha C subunit, SL3/AKV core-binding factor alpha C subunit, acute myeloid leukemia 2 protein, acute myeloid leukemia gene 2, core-binding factor subunit alpha-3, core-binding factor, runt domain, alpha subunit 3, oncogene AML-2, polyomavirus enhancer-binding protein 2 alpha C subunit and transcription factor AML2.</p> <p>The RUNX3 gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for RUNX3 (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human RUNX3 antibody detects a band of 45 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>               | Anti RUNX3 detects a band of approximately 45 kDa in Jurkat cell lysates.  |
| <b>Storage</b>                        | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  |
| <b>Guarantee</b>                      | 12 months from date of despatch.   |
| <b>Acknowledgements</b>               | PrecisionAb is a trademark of Bio-Rad Laboratories.  |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00121">https://www.bio-rad-antibodies.com/SDS/VMA00121</a><br>Antibody (10040)   |
| <b>Regulatory</b>                     | For research purposes only.  |

## Related Products

## Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

## Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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