# RUNX1 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | RUNX1, Monoclonal Antibody |
| **Full Product Name** | RUNX1 (Runt-Related Transcription Factor 1, AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1, PEBP2aB) (PE) |
| **Product Gene Name** | anti-RUNX1 antibody |
| **Product Synonym Names** | Runt-Related Transcription Factor 1; AML1; AML1-EVI-1; AMLCR1; CBFA2; EVI-1; PEBP2aB |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 1B4 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE). |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes RUNX1. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, the original vial prior to removing the cap. |
| **Molecular Weight** | 52kDa |
| **3D Structure** | ModBase 3D Structure for B2RMS4 |
| **Immunogen** | RUNX1 (NP_001745, 376aa-480aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | RYHTYLPPPYPGSSQAQGGPFQASSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTNASTGSALLNPSLPNQSDVVEAEGSHSNSPTNMAPSARLE |
| **Conjugate** | PE |
| **Product Categories/Family for anti-RUNX1 antibody** | Antibodies; Transcription Factors |
| **Applications Tested/Suitable for anti-RUNX1 antibody** | ELISA (EIA), Western Blot (WB) |
| **Application Notes for anti-RUNX1 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-RUNX1 antibody** | Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations invo gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been f this gene. [provided by RefSeq] |

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| **Other Notes** | Small volumes of anti-RUNX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add ice fee may apply. |
| **Searchable Terms for RUNX1 purchase** | MBS6187817 is an antibody targeting RUNX1. Also known as RUNX1 (Runt-Related Transcription Factor 1, AML1, AML1-EVI-1, AMLCR1, CBFA2, EV PEBP2aB) (PE). Host: Mouse. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RUNX1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 19923198 |
| **NCBI GeneID** | 861 |
| **NCBI Accession #** | NP_001745 |
| **UniProt Primary Accession #** | B2RMS4 |
| **UniProt Related Accession #** | Q01196 |
| **GenBank Nucleotide #** | NM_001754 |
| **NCBI Official Full Name** | runt-related transcription factor 1 isoform AML1c |
| **NCBI Official Synonym Full Names** | runt related transcription factor 1 |
| **NCBI Official Symbol** | RUNX1 |
| **NCBI Official Synonym Symbols** | AML1; CBFA2; EVI-1; AMLCR1; PEBP2aB; CBF2alpha; AML1-EVI-1; PEBP2alpha |
| **Protein Family** | Runt-related transcription factor |
| **NCBI Protein Information** | runt-related transcription factor 1 |
| **Research Articles on RUNX1** | **1.** ransplant age (>45 years) and complex chromosome karyotype abnormality were negative prognostic factors in allogeneic hematopoietic stem-cell transplantation for myeloid neoplasms patients with RUNX1 mutations |
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