

Datasheet: VMA00957

BATCH NUMBER 100005719

Description:	MOUSE ANTI CBFB
Specificity:	CBFB
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD06/4G9
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.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.
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-187 of human CFBF

External Database Links

UniProt:

[Q13951](#) [Related reagents](#)

Entrez Gene:

[865](#) CFBF [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti CFBF antibody** recognizes core-binding factor subunit beta, also known as PEA2-beta. CFBF is a transcription factor. Along with its binding partner, RUNX1, CFBF regulates a range of signaling pathways to maintain cell and tissue homeostasis. RUNX1 has sequence-specific transcription factor activity, and CFBF enhances the activity of RUNX1. Genetic alterations in CFBF and RUNX1 are linked with a range of human disorders and cancers ([Malik et al. 2019](#)). The role of CFBF in bone and cartilage development has been well-characterized, with CFBF regulating the proliferation and differentiation of chondrocytes and osteoblast-lineage cells via multiple signaling pathways ([Komori 2020](#)). CFBF is a commonly mutated driver of human cancers, including blood cancer and breast cancer ([Malik et al. 2019](#)). Furthermore, CFBF has been identified as one of the six most significantly mutated genes in breast cancer ([Sustic et al. 2020](#)).

Western Blotting Mouse anti CFBF detects a band of approximately 21 kDa in RAW264.7 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00957>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

To

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

find a

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M390066:210823'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)