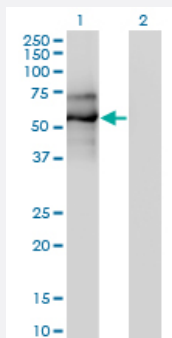


# EBF1 monoclonal antibody (M01), clone 1C12

Catalog # H00001879-M01

Size 100 ug

## Applications

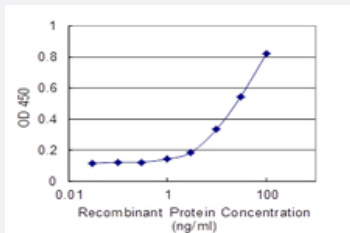


### Western Blot (Transfected lysate)

Western Blot analysis of EBF1 expression in transfected 293T cell line by EBF1 monoclonal antibody (M01), clone 1C12.

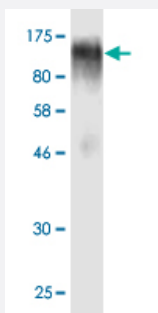
Lane 1: EBF1 transfected lysate (64 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EBF1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (90.75 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant EBF1.

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>               | EBF1 (AAH38805, 1 a.a. ~ 591 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>                | MFGIQESIQRSGSSMKEEPLGSGMNAVRTWMQGAGVLDANTAAQSGVGLARAHFEKQPPSNLR<br>KSNFFHFVLALYDRQQQPVEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRL<br>IDSMTKQAIYEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFFSKFFLKCNQ<br>NCLKNAGNPRDMRRFQVVVSTTVNVDGHVLAVSDNMFVHNNSKHGRRARRLDPSEGTPSYLH<br>ATPCIKAIISPSEGWTTGGATVIIIGDNFFDGLQVIFGTMLVWSELITPHAIRVQTTPRHIPGVVEVTLSTY<br>KSKQFCKGTPGRFIYALNEPTIDYGFQRLQKVIPRHPGDPERLPKEVILKRAADLVEALYGMPHNN<br>QEIIKRAADIAEALYSVPRNHNQLPALANTSVHAGMMGVNSFSGQLAVNVSEASQATNQGFTRN<br>SSSVSPHGYVPSTTPQQTNYSVTTSMNGYGSAAMSNLGGSPFTLNGSAANSPYAMPSSPTMA<br>SSTSLPSNCSSSSGIFSFSANMVS AVKQKSAFAPVVRPQTSPPTCTSTNGNSLQAISGMVPP<br>M |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                 | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (90.75 KDa) .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of EBF1 expression in transfected 293T cell line by EBF1 monoclonal antibody (M01), clone 1C12.

Lane 1: EBF1 transfected lysate(64 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EBF1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — EBF1

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1879</a>                                                                                      |
| GeneBank Accession# | <a href="#">BC038805</a>                                                                                  |
| Protein Accession#  | <a href="#">AAH38805</a>                                                                                  |
| Gene Name           | EBF1                                                                                                      |
| Gene Alias          | COE1, EBF, FLJ39389, FLJ41763, O/E-1, OLF1                                                                |
| Gene Description    | early B-cell factor 1                                                                                     |
| Omim ID             | <a href="#">164343</a>                                                                                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                 |
| Gene Summary        | Olf and EBF transcription factor 1 early B-cell factor olfactory neuronal transcription factor 1          |
| Other Designations  | Collier, Olf and EBF transcription factor 1 early B-cell factor olfactory neuronal transcription factor 1 |

## Publication Reference

- [CEBPA phase separation links transcriptional activity and 3D chromatin hubs.](#)

Marie Christou-Kent, Sergi Cuartero, Carla Garcia-Cabau, Julia Ruehle, Julian Naderi, Julia Erber, Maria Victoria Neguembor, Marcos Plana-Carmona, Marc Alcoverro-Bertran, Luisa De Andres-Aguayo, Antonios Klonizakis, Eric Julià-Vilella, Cian Lynch, Manuel Serrano, Denes Hnisz, Xavier Salvatella, Thomas Graf, Grégoire Stik.

Cell Reports 2023 Aug; 42(8):112897.

Application: IF, Mouse, B cells

- [Early B-cell Factor1 \(Ebf1\) Promotes Early Osteoblast Differentiation But Suppresses Osteoblast Function.](#)

Vappu Nieminen-Pihala, Kati Tarkkonen, Julius Laine, Petri Rummukainen, Lauri Saastamoinen, Kenici Nagano, Roland Baron, Riku Kiviranta.

Bone 2021 Feb; 146:115884.

Application: ChIP, Mouse, MC3T3-E1 cells

- [De Novo Mutations in EBF3 Cause a Neurodevelopmental Syndrome.](#)

Sleven H, Welsh SJ, Yu J, Churchill ME, Wright CF, Henderson A, Horvath R, Rankin J, Vogt J, Magee A, McConnell V, Green A, King MD, Cox H, Armstrong L, Lehman A, Nelson TN; Deciphering Developmental Disorders study; CAUSES study, Williams J, Clouston P, Hagman J, Németh AH.

American Journal of Human Genetics 2017 Jan; 100(1):138.

Application: WB, Mouse,  $\mu$ M2.21 cells

- [Early B-Cell Factor-1 \(Ebf1\) is a key regulator of metabolic and inflammatory signaling pathways in mature adipocytes.](#)

Griffin MJ, Zhou Y, Kang S, Zhang X, Mikkelsen TS, Rosen ED.

The Journal of Biological Chemistry 2013 Dec; 288(50):35925.

Application: ChIP, Mouse, 3T3-L1 adipocytes

- [Cellular origin and pathophysiology of chronic lymphocytic leukemia.](#)

Seifert M, Sellmann L, Bloehdorn J, Wein F, Stilgenbauer S, Dürig J, Küppers R.

The Journal of Experimental Medicine 2012 Nov; 209(12):2183.

Application: WB-Ce, Human, CLL, CD5+ B cells

## Disease

- [Multiple Sclerosis](#)
- [Tobacco Use Disorder](#)