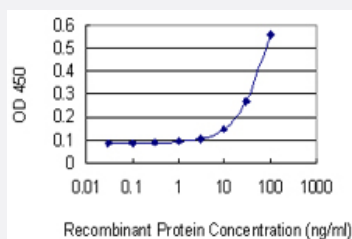


ZEB1 monoclonal antibody (M01), clone 4C4

Catalog # H00006935-M01

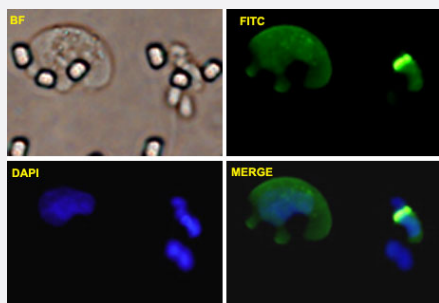
Size 100 ug

Applications



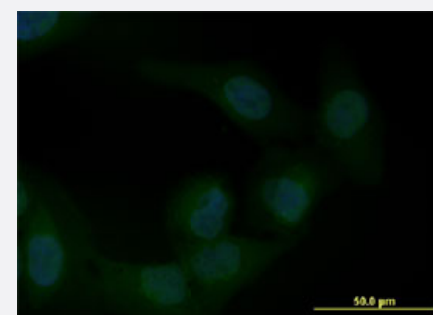
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ZEB1 is 3 ng/ml as a capture antibody.



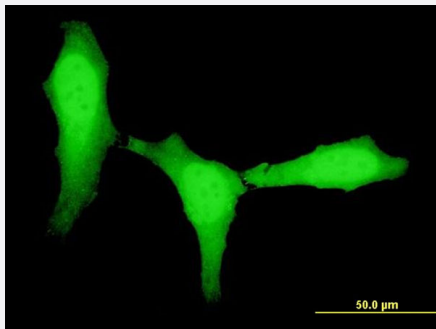
Immunofluorescence (Circulating Tumor Cell)

U-2 OS cells were stained with ZEB1-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).



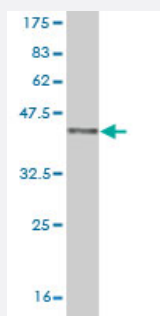
Immunofluorescence

Immunofluorescence of monoclonal antibody to ZEB1 on U-2 OS cell. [antibody concentration 10 ug/ml]



Immunofluorescence

Immunofluorescence of monoclonal antibody to ZEB1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ZEB1.
Immunogen	ZEB1 (NP_110378, 801 a.a. ~ 900 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NIAIPTVTAQLPTVAIADQNSVPCLRALAANKQTILIPQVAYTYSTTVSPA VQEPLKVIQPNGNQDERQDTSSEGVSNVEDQNDSDSTPPKKKMRKTE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ZEB1 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence (Circulating Tumor Cell)

U-2 OS cells were stained with ZEB1-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ZEB1 on U-2 OS cell. [antibody concentration 10 ug/ml]

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ZEB1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ZEB1

Entrez GeneID	6935
GeneBank Accession#	NM_030751
Protein Accession#	NP_110378
Gene Name	ZEB1
Gene Alias	AREB6, BZP, DELTA-EF1, MGC133261, NIL-2-A, NIL-2A, NIL2A, TCF8, ZEB, ZFHEP, ZFHX1A
Gene Description	zinc finger E-box binding homeobox 1
Omim ID	189909 609141
Gene Ontology	Hyperlink

Gene Summary

ZEB1 encodes a zinc finger transcription factor that represses T-lymphocyte-specific IL2 gene (MIM 147680) expression by binding to a negative regulatory domain 100 nucleotides 5-prime of the IL2 transcription start site (Williams et al., 1991 [PubMed 1840704]).[supplied by OMIM]

Other Designations

OTTHUMP00000019405|transcription factor 8 (represses interleukin 2 expression)|zinc finger homeodomain enhancer-binding protein

Publication Reference

- [Variable effects of periprostatic adipose tissue on prostate cancer cells: Role of adipose tissue lipid composition and cancer cells related factors.](#)

Mathilde Cancel, David Crottes, Dorine Bellanger, Frank Bruyère, Coralie Mousset, Michelle Pinault, Karine Mahéo, Gaëlle Fromont.

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Application: IHC-P, Human, Prostate

- [Eugenol modulates genomic methylation and inactivates breast cancer-associated fibroblasts through E2F1-dependent downregulation of DNMT1/DNMT3A.](#)

Layla A Al-Kharashi, Tala Bakheet, Wejdan A AlHarbi, Nisreen Al-Moghrabi, Abdelilah Aboussekhra.

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Application: WB-Ce, Human, MDA-MB-231 cells

- [Specificities of small cell neuroendocrine prostate cancer: Adverse prognostic value of TTF1 expression.](#)

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Application: IHC, Human, NEPCa tumor

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Application: IHC-P, Human, Human prostate cancer

- [Let-7b inhibits cancer-promoting effects of breast cancer-associated fibroblasts through IL-8 repression.](#)

Al-Harbi B, Hendrayani SF, Silva G, Aboussekhra A.

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Application: WB, Human, MDA-MB-231 cells

- [Obesity and p16INK4A Downregulation Activate Breast Adipocytes and Promote Their Protumorigenicity.](#)

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Application: WB-Ti, Human, MDA-MB-231 xenograft tumor

- [p16INK4A induces senescence and inhibits EMT through microRNA-141/microRNA-146b-5p-dependent repression of AUF1.](#)

Al-Khalaf HH, Aboussekhra A.

Molecular Carcinogenesis 2017 Mar; 56(3):985.

Application: WB-Tr, Human, MDA-MB-231 cells

- [The Cytokine IL-6 Reactivates Breast Stromal Fibroblasts through Transcription Factor STAT3-dependent Up-regulation of the RNA Binding Protein AUF1.](#)

Hendrayani SF, Al-Khalaf HH, Aboussekhra A.

The Journal of Biological Chemistry 2014 Nov; 289(45):30962.

Application: WB-Tr, Human, MDA-MB-231 cells

Disease

- [Alzheimer Disease](#)
- [Corneal Dystrophies](#)
- [Genetic Predisposition to Disease](#)