Mouse POU5F1 Monoclonal Antibody | anti-POU5F1 antibody

POU5F1 (POU Class 5 Homeobox 1, MGC22487, OCT3, OCT4, OTF3, OTF4) (HRP)

CATALOG #	HOST	APPLICATIONS
AAA26495	**Mouse**	**ELISA, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

POU5F1; Monoclonal Antibody; POU5F1 (POU Class 5 Homeobox 1; MGC22487; OCT3; OCT4; OTF3; OTF4) (HRP); POU Class 5 Homeobox 1; OTF4; anti-POU5F1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1B11
Specificity	Recognizes POU5F1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-POU5F1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	POU5F1 (AAH20712, 81aa-164aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	WFCNRRQKGKRSSSDYAQREDFEAAGSPFSGGPVSFPLAPGPHFGTPGYGSPHFTALYSSVPFPEGEAFPPVSVTTLGSPMHSN
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to POU5F1 on HeLa cell. [antibody concentration 10 ug/ml]

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to POU5F1 on HeLa cell. [antibody concentration 10 ug/ml]

Application Data
A-549 cells were stained with POU5F1-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to POU5F1 on A-549 cell. [antibody concentration 10 ug/ml]

WB (Western Blot)
Western Blot analysis of POU5F1 expression in transfected 293T cell line by POU5F1 monoclonal antibody (M05), clone 1B11.Lane 1: POU5F1 transfected lysate (18.3 KDa).Lane 2: Non-transfected lysate.

WB (Western Blot)
POU5F1 monoclonal antibody (M05), clone 1B11 Western Blot analysis of POU5F1 expression in HepG2 (Cat # L019V1).

ADDITIONAL INFORMATION

Product Categories/Family for anti-POU5F1 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
References	1. Physiologic Oxygen Concentration Enhances the Stem-Like Properties of CD133+ Human Glioblastoma Cells In vitro.McCord AM, Jamal M, Shankavarum UT, Lang FF, Camphausen K, Tofilon PJ.Mol Cancer Res. 2009 Apr;7(4):489-97.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18088411

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pou5f1-antibody-clone-1b11-immunofluorescence-western-blot-elisa/26495