

Mouse OCT-2 (POU2F2) Monoclonal Antibody | anti-OCT-2 antibody

OCT-2 (POU2F2) (B-Cell Marker)

CATALOG # AAA23902	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

OCT-2 (POU2F2); Monoclonal Antibody; OCT-2 (POU2F2) (B-Cell Marker); Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; Oct-2; Octamer-binding protein 2; Octamer-binding transcription factor 2; OTF-2; POU domain class 2 transcription factor 2; POU2F2; anti-OCT-2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	OCT2/2137
Specificity	Oct-2 is a transcription factor of the POU homeo-domain family that binds to the Ig gene octamer sites, regulating B-cell-specific genes. Oct-2 expression can be used as a marker of B-cell lineage and differentiation. Germinal center B-cells, mantle B-cells, monocytoid B-cells, and plasma cells show high level expression of Oct-2. Additionally, mantle cell lymphoma, follicular lymphoma, marginal zone lymphoma, plasmacytoma, Burkitt lymphoma, diffuse large cell lymphoma, diffuse large B-cell lymphoma, Hodgkin lymphoma display increased expression of Oct-2. Several studies of Oct-2 expression have shown a low level expression in pre-B, T-cell, myelomonocytic, and epithelial cell lines, whereas all mature B-cell lines have high levels of expression. In spite of scanty evidence for Oct-2 expression in T cells, it is believed that this factor participates in transcriptional regulation during T-cell activation.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	479
Applicable Applications for anti-OCT-2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	ELISA: For coating, order Ab without BSA. WB: 1-2ug/ml IHC-F: 1-2ug/ml for 30 min at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Immunogen	Recombinant fragment of human OCT2 protein (around aa 112-297)
Cellular Localization	Nuclear
Hu-chromosome Location	19q13.2
Positive Control	Raji or U-937 cells. Spleen or Tonsil.

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Oct-2 Mouse Monoclonal Antibody (OCT2/2137) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Oct-2 Mouse Monoclonal Antibody (OCT2/2137). Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)

Western Blot Analysis (A) Recombinant Protein (B) Daudi Cell lysate Oct-2 Mouse Monoclonal Antibody (OCT2/2137).



WB (Western Blot)

Western Blot Analysis Ramos Cell lysate using Oct-2 Mouse Monoclonal Antibody (OCT2/2137).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Oct-2 Mouse Monoclonal Antibody (OCT2/2137).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Lymph Node stained with Oct-2 Mouse Monoclonal Antibody (OCT2/2137).

ADDITIONAL INFORMATION

References	Gibson SE, et al. Am J Clin Pathol. 2006; 126:916-24. Browne P, et al. Am J Clin Pathol. 2003; 120:767-77.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333360875
NCBI GeneID	5452
NCBI Accession #	NP_001193954.1
NCBI GenBank Nucleotide #	NM_001207025.2
UniProt Accession #	P09086; Q16648; Q7M4M8; Q9BRS4
Molecular Weight	60kDa
NCBI Official Full Name	POU domain, class 2, transcription factor 2 isoform 1
NCBI Official Synonym Full Names	POU class 2 homeobox 2
NCBI Official Symbol	POU2F2
NCBI Official Synonym Symbols	OCT2; OTF2; Oct-2
NCBI Protein Information	POU domain, class 2, transcription factor 2
UniProt Protein Name	POU domain, class 2, transcription factor 2
UniProt Gene Name	POU2F2

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/oct-2-pou2f2-antibody-clone-oct2-2137-western-blot-immunohistochemistry-elisa/23902>