



Anti-POU5F1 monoclonal antibody (DCABH-9788)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Oct4
Antigen Description	Transcription factor that binds to the octamer motif (5-ATTTGCAT-3). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.
Immunogen	Recombinant fragment corresponding to Human Oct4 aa 81-164.Sequence: WFCNRRQKGKRSSSDYAQREDFEAAGSPFSGGPVSFPLAPGPHFGTPGYG SPHFTALYSSVPFPEGEAFPPVSVTTLGSPMHSN
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	Sandwich ELISA, WB, ELISA
Positive Control	HepG2 cell lysate
Format	Liquid
Size	100 µg
Buffer	Preservative: None; Constituents: 1X PBS, pH 7.2
Preservative	None

Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
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GENE INFORMATION

Gene Name	POU5F1 POU class 5 homeobox 1 [Homo sapiens]
Official Symbol	POU5F1
Synonyms	POU5F1; POU class 5 homeobox 1; OTF3, POU domain class 5, transcription factor 1; POU domain, class 5, transcription factor 1; MGC22487; OCT3; Oct4; octamer-binding protein 3; octamer-binding protein 4; POU domain transcription factor OCT4; octamer-bindi
Entrez Gene ID	5460
Protein Refseq	NP_001167002
UniProt ID	M1S623
Chromosome Location	6p21.33
Pathway	HIF-2-alpha transcription factor network, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
Function	DNA binding; miRNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcrip