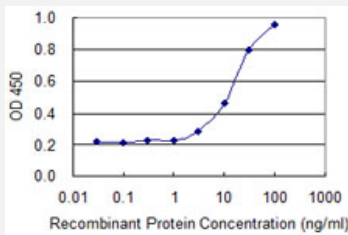


POLR2A monoclonal antibody (M02), clone 1F17

Catalog # H00005430-M02

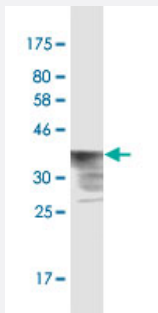
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged POLR2A is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant POLR2A.

Immunogen

POLR2A (NP_000928, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MHGGGPPSGDSACPLRTIKRVQFGVLSPDELKRMSVTEGGIKYPETTEGGRPKLGGLMDPRQGV
IERTGRCQTCAGNMTECPGHFGHIELAKPVFHVGFVLVKTMKVLRCV

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Rat (100)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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 POLR2A is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — POLR2A

Entrez GeneID	5430
GeneBank Accession#	NM_000937
Protein Accession#	NP_000928
Gene Name	POLR2A
Gene Alias	MGC75453, POLR2, POLRA, RPB1, RPBh1, RPO2, RPOL2, RpIIIS, hRPB220, hsRPB1
Gene Description	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
Omim ID	180660
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. [provided by RefSeq]

Other Designations

DNA directed RNA polymerase II polypeptide A|DNA-directed RNA polymerase II largest subunit, RNA polymerase II 220 kd subunit|polymerase (RNA) II (DNA directed) polypeptide A (220kD)

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)
- [RNA polymerase](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Urinary Bladder Neoplasms](#)