

POLR2A Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4834
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human POLR2A (AA: 128-258) expressed in E. Coli.
Mol wt	217kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	RPB1;RPO2;POLR2;POLRA;RPBh1;RPOL2;RpIILS;hsRPB1;hRPB220

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

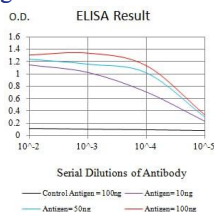
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

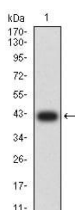
ELISA: 1:10000

Not yet tested in other applications.

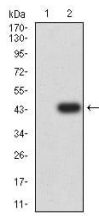
Images



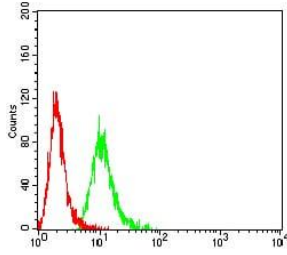
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using POLR2A mAb against human POLR2A (AA: 128-258) recombinant protein. (Expected MW is 41.1 kDa)



Western blot analysis using POLR2A mAb against HEK293 (1) and POLR2A (AA: 128-258)-hlgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HeLa cells using POLR2A mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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