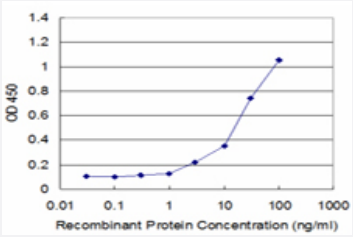
RPL7 monoclonal antibody (M06), clone 2E10

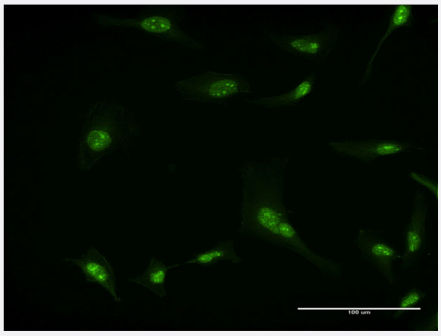
Catalog # H00006129-M06 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RPL7 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to RPL7 on HeLa cell . [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RPL7.
Immunogen	RPL7 (NP_000962.2, 158 a.a. ~ 248 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GYGKINKKRIALTDNALIARSLGKYGIICMEDLIHEIYTVGKRFKEANNFLWPFKLSSPRGGMKKKTTH FVEGGDAGNREDQINRLIRRMN
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (98); Rat (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to RPL7 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — RPL7

Entrez GeneID	6129
GeneBank Accession#	NM_000971
Protein Accession#	NP_000962.2
Gene Name	RPL7
Gene Alias	MGC117326, humL7-1
Gene Description	ribosomal protein L7
Omim ID	604166
Gene Ontology	Hyperlink

Gene Summary	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L30P family of ribosomal proteins. It contains an N-terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2. In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the translation apparatus. It is located in the cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq
Other Designations	60S ribosomal protein L7

Pathway

- Ribosome

Disease

- Tobacco Use Disorder