

## Product datasheet for **CF503106**

### LSM1 Mouse Monoclonal Antibody [Clone ID: OTI9D7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9D7
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-133 of human LSM1 (NP_055277) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15 kDa
Gene Name:	LSM1 homolog, mRNA degradation associated
Database Link:	<a href="#">NP_055277</a> <a href="#">Entrez Gene 67207 Mouse</a> <a href="#">Entrez Gene 364624 Rat</a> <a href="#">Entrez Gene 27257 Human</a> <a href="#">Q15116</a>



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**Background:**

Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing. [supplied by OMIM]

**Synonyms:**

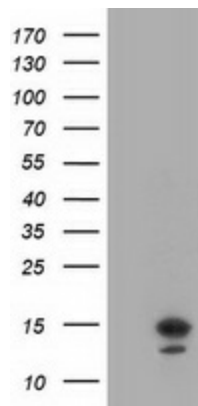
CASM; YJL124C

**Protein Families:**

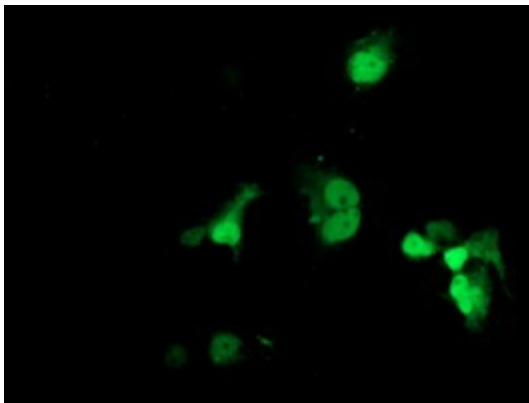
Stem cell - Pluripotency

**Protein Pathways:**

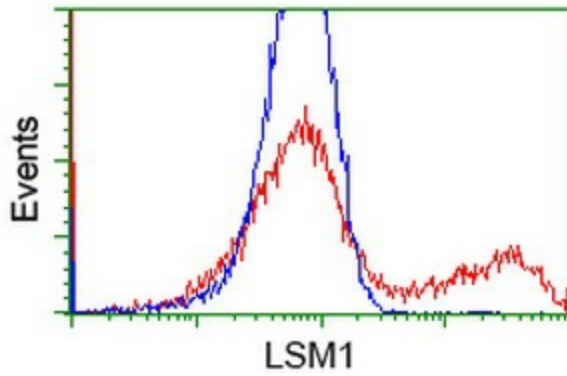
RNA degradation

**Product images:**


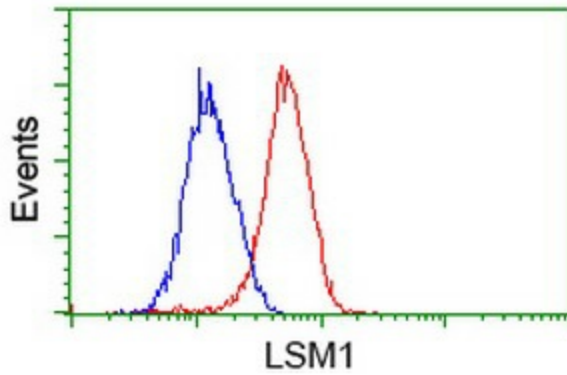
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LSM1 ([RC200288], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LSM1. Positive lysates [LY415265] (100ug) and [LC415265] (20ug) can be purchased separately from OriGene.



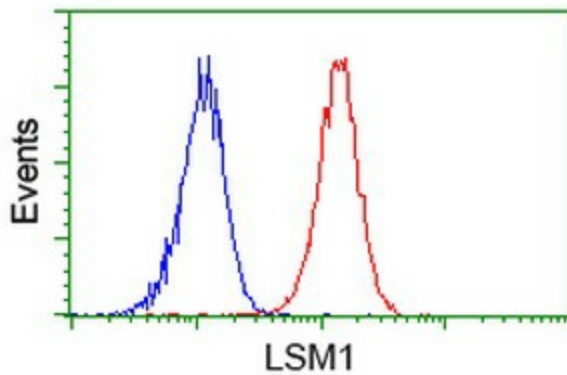
Anti-LSM1 mouse monoclonal antibody ([TA503106]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LSM1 ([RC200288]).



HEK293T cells transfected with either [RC200288] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LSM1 antibody ([TA503106]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-LSM1 antibody ([TA503106]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-LSM1 antibody ([TA503106]), (Red), compared to a nonspecific negative control antibody, (Blue).