

## Product datasheet for **TA503100BM**

### Spermine synthase (SMS) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI5E5]

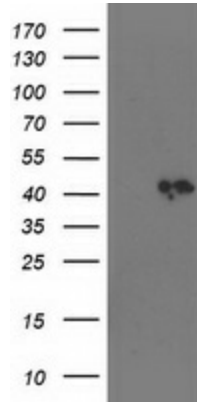
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5E5
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SMS (NP_004586) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41.1 kDa
Gene Name:	spermine synthase
Database Link:	<a href="#">NP_004586</a> <a href="#">Entrez Gene 20603 Mouse</a> <a href="#">Entrez Gene 363469 Rat</a> <a href="#">Entrez Gene 6611 Human</a> <a href="#">P52788</a>
Background:	The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism. [provided by RefSeq]
Synonyms:	MRSR; SPMSY; SpS; SRS
Protein Pathways:	Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine metabolism, Glutathione metabolism, Metabolic pathways

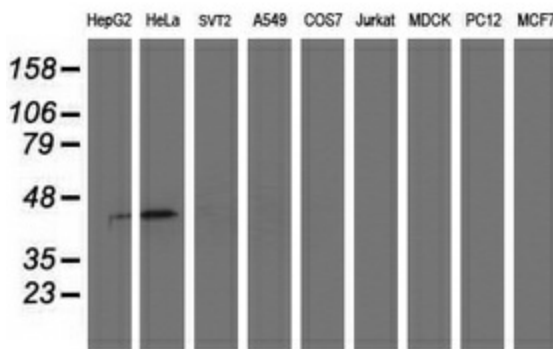


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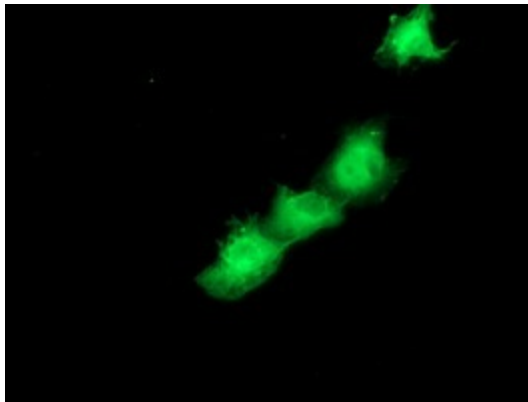
**Product images:**



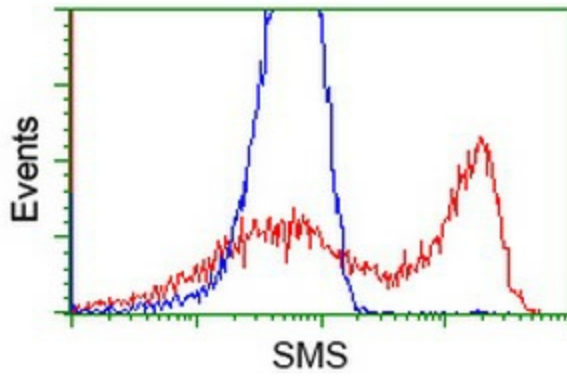
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SMS ([RC200619], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SMS. Positive lysates [LY417877] (100ug) and [LC417877] (20ug) can be purchased separately from OriGene.



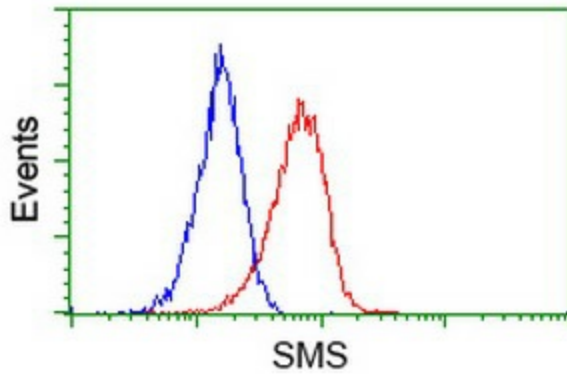
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SMS monoclonal antibody.



Anti-SMS mouse monoclonal antibody ([TA503100]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SMS ([RC200619]).



HEK293T cells transfected with either [RC200619] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SMS antibody ([TA503100]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-SMS antibody ([TA503100]), (Red), compared to a nonspecific negative control antibody, (Blue).