



SPO11 mouse mAb

Catalog No	YP-mAb-18024
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SPO11
Immunogen	Synthesized peptide derived from human SPO11
Specificity	This antibody detects endogenous levels of SPO11 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cancer/testis antigen 35;CT35;SPO11;Meiotic recombination protein SPO11 (Cancer/testis antigen 35) (CT35)
Observed Band	55-70 kDa
Calculated Molecular Weight	45 kDa
Cell Pathway	Nucleus .
Tissue Specificity	Highly expressed in testis.
Function	Component of a topoisomerase 6 complex specifically required for meiotic recombination. Together with TOP6BL, mediates DNA cleavage that forms the double-strand breaks (DSB) that initiate meiotic recombination. The complex promotes relaxation of negative and positive supercoiled DNA and DNA decatenation through cleavage and ligation cycles. Essential for the phosphorylation of SMC3, HORMAD1 and HORMAD2.
Background	
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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