

## Sex-determining region Y protein Antibody

Mouse Monoclonal Antibody [Clone PCR-P-SRY-1D10]

Catalog No	Format	Size
6736-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6736-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6736-MSM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

<b>Clone</b>	PCR-P-SRY-1D10
<b>Immunogen</b>	Recombinant full-length human SRY protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2 / Kappa
<b>Mol. Weight of Antigen</b>	23.88kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Nucleus speckle
<b>Species Reactivity</b>	Human

\*Optimal dilution for a specific application should be determined.

### Product Images for Sex-determining region Y protein Antibody

#### Specificity & Comments

Transcriptional regulator that controls a genetic switch in male development (PubMed:11563911). It is necessary and sufficient for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells (PubMed:16414182, PubMed:16996051). Involved in different aspects of gene regulation including promoter activation or repression (PubMed:9525897). Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3' (PubMed:11563911, PubMed:1425584, PubMed:15170344, PubMed:8159753, PubMed:8265659). SRY HMG box recognizes DNA by partial intercalation in the minor groove and promotes DNA bending (PubMed:11563911, PubMed:1425584, PubMed:15170344, PubMed:16762365, PubMed:8159753, PubMed:8265659). Also involved in pre-mRNA splicing (PubMed:11818535). In male adult brain involved in the maintenance of motor functions of dopaminergic neurons (By similarity).

#### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.