

### 30-2497: Anti-RPSA Antibody (Clone : RP-01)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RP-01
<b>Application :</b>	IP,ELISA,IHC,FACS
<b>Reactivity :</b>	Mouse,Human,chicken
<b>Gene :</b>	RPSA
<b>Gene ID :</b>	3921
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Ribosomal protein SA, CCLBP, MRAP, LR1, LRP/LR,ribosomal protein SA
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	REPRLLVVTDPRAHQ

#### Description

Ribosomal protein SA (RPSA) is a multi-functional protein, that is an important component of 40S ribosomal subunit, and binds to lamin. Higher expression of RPSA is characteristic for many carcinomas, and correlates with their invasivity and metastatic potential. It has also been described, that RPSA interacts with amyloid beta peptide during Alzheimer's disease. Specificity : The mouse monoclonal antibody RP-01 recognizes ribosomal protein SA (RPSA), which is important for formation and stability of 40S ribosomal subunit, and is overexpressed in many carcinomas.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Content :</b>	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 8-12 µg/ml. Intracellular staining.

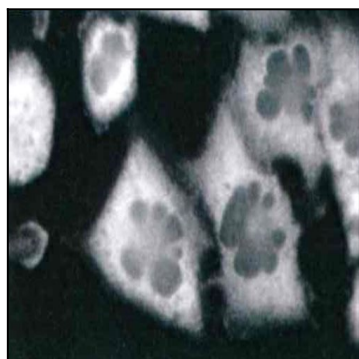


Figure 1: Immunocytochemistry staining of RPSA in human glioblastoma cells T98G using mouse monoclonal antibody RP-01. The cells were fixed with paraformaldehyde and permeabilized using Triton X-100.

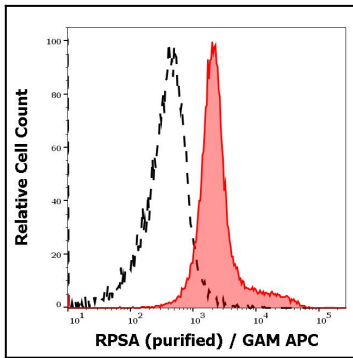


Figure 2: Separation of MOLT-4 cells stained using anti-RPSA (RP-01) purified antibody (red-filled) from MOLT-4 unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).