

## 36-1765: Monoclonal Antibody to GRP94 / HSP90B1 (Endoplasmic Reticulum Marker)(Clone : SPM249)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM249
<b>Application :</b>	FACS,IF,WB,IHC
<b>Reactivity :</b>	Human, Rat, Mouse, Hamster
<b>Gene :</b>	HSP90B1
<b>Gene ID :</b>	7184
<b>Uniprot ID :</b>	P14625
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HSP90B1,GRP94,TRA1
<b>Isotype :</b>	Rat IgG2a, kappa
<b>Immunogen Information :</b>	Purified glucose regulated protein 94 (grp94) from chicken oviducts

### Description

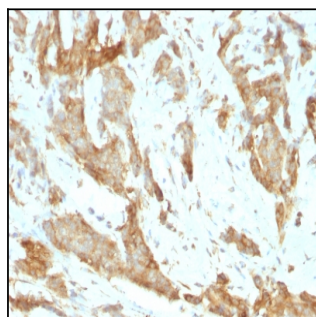
Recognizes a protein of 94kDa, which is identified as the glucose-regulated protein 94 (grp94) and also tumor rejection antigen (gp96). Grp94 shows a high degree of sequence homology with the heat shock protein 90 (hsp90). This MAb is highly specific to grp94 and shows minimal cross-reaction with other members of the HSP90 family. Grp s are a class of proteins unresponsive to heat shock and are induced by glucose deprivation. Grp94 has been briefly studied as a prognostic factor in breast cancer.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GRP94 Monoclonal Antibody (SPM249).