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

Clonality: Monoclonal Clone Name: SPM249

Application : FACS,IF,WB,IHC

Reactivity: Human, Rat, Mouse, Hamster

Gene : HSP90B1
Gene ID : 7184
Uniprot ID : P14625
Format : Purified

Alternative Name: HSP90B1,GRP94,TRA1 lsotype: Rat lgG2a, kappa

Immunogen Information: 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

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

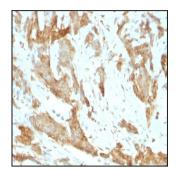
toxic.

Storage condition : 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°C followed by cooling at RT for 20 minutes);



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