

### 36-2390: Anti-Glypican-3 (GPC3) (Hepatocellular Carcinoma Marker) Monoclonal Antibody (Clone: SPM595)-CF555

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM595
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	CF555
<b>Gene :</b>	GPC3
<b>Gene ID :</b>	2719
<b>Uniprot ID :</b>	P51654
<b>Alternative Name :</b>	DGSX; Glypican proteoglycan 3; GPC3; GTR2-2; Heparan sulphate proteoglycan; Intestinal protein OCI-5; MXR7; OCI-5; SDYS; Secreted glypican-3; SGBS1
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	A recombinant fragment containing amino acids 511-580 of human glypican-3

#### Description

Glypican-3 (GPC3) is a glycosylphosphatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilms tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma is significantly higher than that of follicular adenoma. In contrast, GPC3 is not expressed in anaplastic carcinoma.

#### Product Info

<b>Amount :</b>	0.5 ml at 100µg/ml
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (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);