

Product datasheet for **AM32148PU-N**

Rat Tumors, epithelial origin Mouse Monoclonal Antibody [Clone ID: MG1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MG1
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA. Western blotting. Flow Cytometry. Immunoprecipitation. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Tissue: There is some cross reactivity in thymus and lymph nodes. Citric acid or EDTA pre-treatment is recommended.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Immunization of mice with Rat colon adenocarcinoma cells (CC531).
Specificity:	<p><i>MG1</i> is a Rat strain-independent markers for tumour cells of epithelial origin, such as colon, breast, or lung cancer, etc. When injected in colon tumour-bearing rats, <i>MG1</i> localizes to tumour cells (Hagenaars <i>et al.</i>, 2001).</p> <p>This Monoclonal antibody recognizes a cell surface structure of about 80 kD expressed by Rat tumour cells of epithelial origin.</p> <p>It is suitable for <i>in vivo</i> applications as it has no detectable binding to other cell types than tumour cells when injected in Rats.</p> <p><i>MG1</i> is also useful for immunohistochemical detection of tumour cells.</p> <p>This Monoclonal antibody clone <i>MG1</i> belongs to a second generation of antibodies directed against tumours of epithelial origin that were strictly selected for minimal cross reactivity with other tissues.</p>
Formulation:	State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide



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Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for two months or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Common epithelial tumors begin in the surface epithelium of the ovaries and account for about 90% of all ovarian cancers. They are divided into a number of subtypes - including serous, endometrioid, mucinous, and clear cell tumors - that can be further classified as benign (noncancerous) or malignant (cancerous) tumors.
Synonyms:	Rat Tumor Marker