

AM33041PU-N

Monoclonal Antibody to Carcinoma-associated antigen - Purified

Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The chance of cure and choice of therapy for squamous carcinomas of the head and neck depend largely on the extent of disease, as assessed clinically by inspection, palpation and radiography. Since treatment failures are in part due to clinically undetected metastasis at the time of treatment, there is a need for more specific methods of tumor detection. Attempts to develop antibodies recognizing tumour-associated antigens have, in the case of carcinomas, resulted in the isolation of a large number of antibodies reactive with high-molecular-weight glycoproteins.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	175F4
Immunogen:	EDTA treated human mammary carcinoma cell line (ZR-75-1).
Format:	State: Liquid purified IgG fraction Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	Immunohistochemistry on Frozen Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	175F4, which, originally, has been raised against the human mammary carcinoma cell line (ZR-75-1), react with a carcinoma-associated antigen in both adenocarcinomas and squamous cell carcinomas of different origins. Immunohistochemically, the mAbs exhibited reactivity with 42 out of 43 squamous cell carcinomas of the head and neck. Normal squamous epithelia are also reactive with the antibodies in the basal and suprabasal cell layer.
Species Reactivity:	Tested: Human.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Balm AJ, Hageman PC, Mulder CL, Hilken J. Carcinoma-associated monoclonal antibodies in head and neck carcinoma. Immunohistochemistry and biodistribution of monoclonal antibodies 175F4 and 175F11. Eur Arch Otorhinolaryngol. 1992;249(5):237-42. PubMed PMID: 1524802. 2. Joyce Taylor-Papadimitriou. Report On The First International Workshop On Carcinoma-Associated Mucins. Int. J. Cancer: 49, 1-5 (1991).