

## Product datasheet for **AM33041PU-N**

### Carcinoma-associated antigen Mouse Monoclonal Antibody [Clone ID: 175F4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	175F4
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	EDTA treated human mammary carcinoma cell line (ZR-75-1).
Specificity:	<p>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.</p> <p>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.</p>
Formulation:	<p>PBS</p> <p>State: Purified</p> <p>State: Liquid purified IgG fraction</p> <p>Preservative: 0.09% Sodium Azide</p>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	<p>Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.



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**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.