



TAG-72 (B72.3)

For In Vitro Diagnostic Use (IVD)
Instructions for use

Presentation

Anti-B72.3 is a mouse monoclonal antibody from ascites diluted in phosphate buffered saline, pH 7.4, with protein base, and preserved with sodium azide.

Applications

Anti-B72.3 recognizes a high molecular weight glycoprotein called TAG-72 that is present in human adenocarcinomas and in lesser amounts, non-neoplastic tissues. It has also been found to be useful to distinguish between mesothelioma and adenocarcinoma, however, false positive reactions can occur so results must be interpreted with the utmost caution.

Reactivity	Paraffin, Frozen
Control	Breast carcinoma
Visualization	Cytoplasmic
Stability	Up to 36 months; store at 2-8°C
Isotype	IgG ₁ /K

Availability	Description	Catalog No.	Dilution/Comments
	1 ml, prediluted	CMA721	Ready to use
	6 ml, prediluted	CMA722	Ready to use
	0.1 ml, concentrate	CMC722-2	1:100 - 1:500*
	0.5 ml, concentrate	CMC721	1:100 - 1:500*
	1 ml, concentrate	CMC723	1:100 - 1:500*
	Positive control slides	CMS721	5 slides per pack

Preparation and Pretreatment

1. Cut 3-4 µm section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C.
2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques using Cell Marque's Trilogy™ in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.
3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

Recommended Protocol for Staining at Room Temperature Using CytoScan™ BSA Detection System

1. Apply the antibody and incubate for 60 minutes; rinse.
2. Apply the link and incubate for 10 minutes; rinse.
3. Apply the label and incubate for 10 minutes; rinse.
4. Apply ample amount of chromogen and incubate for 1 to 10 minutes; rinse.
5. Dehydrate and coverslip.

Recommended Protocol for Staining at Room Temperature Using PolyScan™ Polymer Detection System

1. Apply the antibody and incubate for 60 minutes; rinse.
2. Apply the PolyScan™ Polymer Rabbit / Mouse Detection System for 30 min; rinse.
3. Apply ample amount of chromogen and incubate for 1 to 10 minutes; rinse.
4. Dehydrate and coverslip.

References

1. Thor, A, et al. Cancer Res 1986;46:3118
2. Schlom J, et al. Tumormarker Oncology;1987;2:3
3. Johnston, WW, et al. Hum Pathol 1986;17:501-513
4. Lundy, J, et al. Ann Surg 1986;203:399-402
5. Kline, TS, et al. Cancer 1989;63:2253-2256
6. Chhieng DC et al. Hum Pathol. 2003 Oct;34(10):1016-21
7. Ordóñez NG. Am J Surg Pathol. 1998 Oct;22(10):1203-14
8. Osteen KG et al. In J Gynecol Pathol. 1992 Jul;11(3):216-20

*The dilutions set forth above are estimates; actual results may differ because of variability in methods and protocols. Validation of antibody performance protocol is the responsibility of the end user.

