

BCA-225 (Cu-18)

For In Vitro Diagnostic Use
 English: Instructions for use

PRESENTATION

Anti-BCA-225 antibody is a mouse monoclonal antibody from ascites diluted in phosphate buffered saline, pH 7.6, with protein base, and preserved with sodium azide.

APPLICATIONS

Anti-BCA-225 antibody recognizes a human breast carcinoma associated glycoprotein BCA-225 (220-225kD). This protein differs in size and distribution from other breast carcinoma antigens. Unlike other antibodies against breast carcinoma antigens, this antibody does not react with benign or malignant colonic, stomach, prostate, liver, pancreas, thyroid, or parotid tissues. Adenocarcinomas of the lung, ovary and endometrium also stain with this antibody.

REACTIVITY	Paraffin, Frozen
CONTROL	Breast Carcinoma, kidney, fallopian tube, skin (sweat glands)
VISUALIZATION	Cytoplasmic
STABILITY	Up to 36 months; store at 2-8°C
ISOTYPE	IgG ₁

AVAILABILITY	DESCRIPTION	CATALOG No.	DILUTION/COMMENTS
	1 ml, prediluted	CMA727	Ready to use
	6 ml, prediluted	CMA728	Ready to use
	15 ml, prediluted	CMA729	Ready to use
	0.05 ml, concentrate	CMC728	1:25-1:100*
	0.5 ml, concentrate	CMC727	1:25-1:100*
	1 ml, concentrate	CMC729	1:25-1:100*
	Positive control slides	CMS727	5 slides per pack

SPECIMEN PREPARATION

1. Paraffin embedded tissue that has been fixed in neutral formalin (preferably) for 6 to 24 hours for optimal results.
2. Cut 3-4 μ m sections and place on positively charged slides.
3. Dry overnight at 37°C or 2-4 hours at 58°C.
4. Pretreat.

PRETREATMENT OPTIONS

1. Deparaffinize, rehydrate, and epitope retrieve.
2. The preferred method of pretreatment is the use of Heat Induced Epitope Retrieval (HIER) techniques using Cell Marque's Declere® with citrate or Trilogy™ with EDTA 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.

RECOMMENDED MANUAL STAINING PROCEDURE

1. If using HRP Label, place slides in peroxide block for 10 to 15 minutes; rinse.
2. Apply the antibody and incubate for 60 minutes at room temperature; rinse.
3. Apply the Link, incubate for 10 minutes at room temperature; rinse.
4. Apply the Label, incubate for 10 minutes at room temperature; rinse.
5. Apply ample amount of chromogen and incubate for 1 to 10 minutes at room temperature.
6. Rinse with 4 to 5 changes of deionized water.
7. Counterstain and coverslip.

REFERENCES

1. Ceriani, RL, Monoclonal Ab's and breast cancer. Boston, Martinus, Nijhoff, 1985
2. Mesa-Tejada, R, et al., Am J Pathol; 1988 130:305-314
3. Loy TS et al. Am J Clin Pathol. 1991 Sep;96(3): 326-9
4. Ma CK et al. Am J Clin Pathol. 1993 May;99(5): 551-7

*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.

Material Safety Data Sheet



1. Components

Sodium Azide 0.1%

2. Physical Data

Appearance Liquid
Solubility in water N/A
Specific gravity N/A
Melting point N/A
Evaporation rate N/A

3. Fire and Explosion Data

Flash point N/A
Extinguishing media Water, foam, carbon dioxide
Special fire fighting procedures Use respirator. Toxic gases may be evolved: CO, CO₂, nitrogen oxides
Unusual fire and explosion hazards None

4. Health Hazard Data

orl-hmn TDLO: 710 ug/kg
inv-mus LD50: 19mg/kg
Threshold limit value 300ug/m³
Acute effects of overexposure May cause local discomfort
Emergency procedures Wash affected area with H₂O for at least 15 min.
Skin contact May cause local discomfort
Eye contact May cause irritation
Inhalation May cause irritation
Ingestion Harmful if swallowed

5. Reactivity Data

Stability Stable
Conditions to avoid Acidic pH
Hazardous Polymerization Will not occur
Hazardous decomposition products CO, CO₂, nitrogen oxides

6. Spill or Leak Procedures

Spilled or released material Flush to sewer if allowed or collect on absorbent and dispose in approved land fill.
Waste disposal method Flush to sewer if allowed

7. Special Protection Information

Respiratory protection N/A
Ventilation Use only with adequate ventilation
Protective gloves needed Yes
Eye protection needed Yes
Handling and storage precautions Store in refrigerator

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