

PRODUCT DATA SHEET

mab0012 Monoclonal Antibody to Ne (g-L-glutamyl)-L-lysine isopeptide

Product Number/Size

mab0012-0	Lyophilized from 100 µl of ascitic fluid
mab0012-1	Lyophilized from 200 µl of ascitic fluid

Product specifications

Immunogen	Ne (g-L-glutamyl)-L-lysine isopeptide
Form	Ascitic fluid
Raised in	Mouse
Clone	81D4
Isotype	IgM / Kappa
Specificity	Monoclonal antibody reacts with Ne (g-L-glutamyl)-L-lysine
Cross reactions	Cross reacts in Elisa with N1,N4 bis (gPoly L-glutamyl) Putrescine and N1,N8 bis (gPoly L-glutamyl) Spermidine There is no cross reaction with : - protein bound Ne acetyl lysine - protein bound N1 or N4 mono (gPoly L-glutamyl) Putrescine - protein bound N1 mono (gPoly L-glutamyl) Spermidine - protein bound Ne (g -L-glutamyl)
Working dilutions	Optimal dilutions should be determined by the end user The following are guidelines only : - Immunohistology : 1/50 to 1/800

Packaging specifications

Appearance	Lyophilized powder (glass vial) Vial must be reconstituted as follow : - mab0012-0 in 100 µl of distilled water - mab0012-1 in 200 µl of distilled water
Preservative	None
Storage	Short term storage : +4°C Long term storage : -20°C

References

- 1) El Alaoui S. and al. Transglutaminase activity and Ne (g glutamyl) lysine isopeptides levels in cells during growth in culture. *Int. J. of Cancer* (1991), 48, 221-226.
- 2) Roch A.M. and al. Differential expression of isopeptide bonds Ne (g glutamyl) lysine in benign and malignant human breast lesions : an immuno-histochemical study. *Int. J. of Cancer.* (1991), 48, 215-220.
- 3) Thomas V. and al. Definition of the fine specificity of the monoclonal antibody 81D4 : its reactivity with the lysine and polyamine isopeptide cross-links. *J. Immunol Methods* (2004) 292 (1-2) 83-95.
- 4) Johnson GV & LeShoure R. Immunoblot analysis reveals that isopeptide antibodies do not specifically recognize the epsilon-(gamma-glutamyl)lysine bonds formed by transglutaminase activity. *J Neurosci Methods* (2004) 134:151-8.



Product type

Primary antibody

Clonality

Monoclonal Antibody

Related product

lab0256 ; opr0002 ;
opr0008 ; opr0009

Warning

This is a laboratory reagent. It is not to be administered to human or animals nor be used as a drug

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version C

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