



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Monoclonal Antibody <math>\beta</math>-Catenin (8E4)</b> (includes Positive Control )
<b>PRODUCT NUMBER:</b>	C-1202
<b>LOT NUMBER:</b>	A9942C
<b>CLONE:</b>	8E4
<b>PURITY DETAIL:</b>	Purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>ISOTYPE:</b>	Mouse IgG1
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to human $\beta$ -catenin aa 27-37
<b>SPECIFICITY:</b>	Recognizes human, mouse, rat (weak) and dog $\beta$ -catenin. Recognizes an epitope between aa 27-37 and an additional epitope in the C-Terminal region (see [5]).
<b>FORMULATION:</b>	Lyophilized from 1ml 2x PBS, 0.09% sodium azide, PEG and sucrose.
<b>RECONSTITUTION:</b>	Reconstitute in 1 ml distilled water (15 Min., RT).
<b>APPLICATION:</b>	<u>Flow Cytometry</u> (see Lit. Ref. [3]) <u>Immunocytochemistry</u> (see Lit. Ref. [4]) <u>Immunohistochemistry</u> (paraffin sections) (see Lit. Ref. [3]) <u>Western Blot</u> : 0.5 $\mu$ g/ml for HRPO/ECL detection.

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Recommended blocking buffer CPPT: 10mM TRIS-HCl, pH 7.4, 0.5% (w/v) casein, 1% (w/v) PEG 4,000, 1% (w/v) polyvinylpyrrolidone, 0.1% (v/v) Tween 20, 150mM sodium chloride. **BSA maybe used alternatively but milk is not recommended for blocking and dilution!**

## STABILITY:

Reconstituted antibody is stable for 1 year when stored at -80°C. Thawed aliquots at +37°C. Thawed aliquots may be stored at +4°C for up to 3 months.

## PRODUCT SPECIFIC LITERATURE REFERENCES:

[1] *Activation of the canonical beta-catenin pathway by histamine*: S.H. Diks, et al.; J. Biol. Chem. **278**, 52491 (2003)

[2] *Sulindac targets nuclear beta-catenin accumulation and Wnt signalling in adenomas of patients with familial adenomatous polyposis and in human colorectal cancer cell lines*: E.M. Boon, et al.; Br. J. Cancer **90**, 224 (2004)

[3] *Illegitimate WNT signaling promotes proliferation of multiple myeloma cells*: P.W. Derksen, et al.; PNAS **101**, 6122 (2004)

[4] *Modulation of intracellular beta-catenin localization and intestinal tumorigenesis in vivo and in vitro by sphingolipids*: E.M. Schmelz, et al.; Cancer Res. **61**, 6723 (2001)

[5] *Wnt signaling and phosphorylation status of beta-catenin: importance of the correct antibody tools*: M. van Noort, et al; Blood **110**, 2778 (2007)

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## STORAGE:

Store at -20°C. After reconstitution, prepare aliquots and **freeze in liquid nitrogen**. Avoid freeze/thaw cycles.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: **KT**

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