

Anti-Her-2/neu proto-oncogene (Clone 300G9b)

Catalog No: MP-AA-2

BACKGROUND

HER-2/neu belongs to the EGFR family of tyrosine kinase receptors. Its overexpression characterizes about 25% of breast cancers with unfavourable prognosis candidate to treatment with humanized anti HER-2 targeting therapies.

PRODUCT

1. Each vial contains the indicated amount of IgG (caprylic acid purified) in 0,1% gelatine and 0,05 % NaN₃.
2. Unpurified reagent is provided at the indicated amounts with 0.1% NaN₃. Centrifuge the vial prior to use.

SPECIFICITY

The murine monoclonal antibody MP-AA-2 (IgG1) generated using NHI-3T3 cells transfected with the human receptor (ref.1) recognizes with an affinity of $2 \times 10^9 M^{-1}$ an epitope of the extracellular domain of the human gp185^{HER-2/neu} resistant to formalin fixation. The reagent does not cross-react with non human receptors (see references).

STORAGE

Store at 4° C, avoid repeated freezing-thawing. Stable for one year.

SHIPPING CONDITIONS

Room temperature.

RESEARCH USE

This antibody is for laboratory research use only, not for human or in-vivo use.

NOTE:

A second anti-Her-2 antibody may be provided which reacts with a distinct epitope of HER-2/neu extracellular domain.

APPLICATIONS

Flow cytometry

5-10 µg/ml

Immunohistochemistry (fluorescence, enzymatic)

On acetone fixed cryostat sections and cytopins (5-10/µg/ml) and paraffin embedded tissue sections (enzymatic 20µg/ml) with **no need of antigen retrieving procedures**. MP-AA-2 and FISH analysis have been shown over 80% concordance (ref.4)

Immunoprecipitation

2 µg, using rabbit anti-murine Ig and protein A-Sepharose beads (ref.1).

REFERENCES

1. *Hybridoma* (1992) **11**: 519
2. *J Natl Cancer Inst* (1997) **89**:318
3. *J Immunother* (2001) **24**:221
4. *Cancer Genet Cytogen* (2002) **33**:66
5. *J Cellular Physiol* (2005) **204**:106

		<u>Trastuzumab</u>	
		Score 0-1	Score 2-3
300G9b	Score 0-1	156	1
	Score 2-3	23	37
p < 0.0001			

Comparative immunohistochemical performance of biotin-labelled anti-HER-2 Monoclonal Abs

