

## MDM2

Format	Catalog no.	Pack size	Dilution
Concentrated	GB 02M A,B,C	0.1,0.5,1.0ml	1:100
Prediluted	GB 02M AA	6.0ml	Ready to use

### PRODUCT DESCRIPTION -

The E3 ubiquitin ligase encoded by the MDM2 gene, which is found in chromosome region 12q15, functions as a significant negative regulator of the tumour suppressor p531. Many human tumours, including soft tissue sarcomas, osteosarcomas<sup>2</sup>, gliomas, non-small cell lung cancer, gastric, and breast carcinomas, overexpress MDM2 as a result of chromosomal region amplification.

### INTENDED USE -

For Research Use Only.

### SUMMARY AND EXPLANATION -

The E3 ubiquitin ligase encoded by the MDM2 gene, which is found in chromosome region 12q15, functions as a significant negative regulator of the tumour suppressor p531. Many human tumours, including soft tissue sarcomas, osteosarcomas<sup>2</sup>, gliomas, non-small cell lung cancer, gastric, and breast carcinomas, overexpress MDM2 as a result of chromosomal region amplification.

### PRINCIPLE OF PROCEDURE -

The MDM2 (12q15) Red Probe is designed to provide coverage of the 12q15 (~ 263 kb) region of chromosome 12. The Copy Control 12 Green Probe is designed to hybridize to human  $\alpha$ -satellite DNA sequences located at the centromere region of chromosome 12.

**SOURCE** -: Mouse monoclonal

**SPECIES REACTIVITY** - Human; other species not tested.

**KNOWN APPLICATIONS**- Fluorescence In-Situ Hybridization (FISH) on formalin-fixed paraffin embedded (FFPE) tissues.

**SUPPLIED AS** - Probe in hybridization buffer

**STORAGE AND STABILITY -**

Store probe at -20°C and away from light. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use it after the expiration date.

**LIMITATIONS -**

This product is Research Use Only.

It is the responsibility of the user to validate any test for its specific use.