

Monoclonal Anti-human β 2-microglobulin

Product reference: DDX0060

Description

The molecular complex of Class I antigen consists of a membrane-embedded, glycosylated heavy chain in tight but non-covalent association with β 2-microglobulin. HLA class I molecules are heterodimers made of a 45 kDa α chain with three extracellular domains non-covalently associated with the invariant 12 kDa β 2-microglobulin and are expressed on all nucleated cells. Monoclonal antibodies specific to human β 2-microglobulin induce myeloma and leukaemia cell lines apoptosis *in vitro*. These same antibodies were also therapeutic *in vivo*, in mouse models of haematological tumour cells.

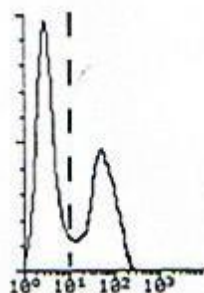
(Yang J. *et al*, 2006; *Canc. Cell.*, 10:295-305; Shi C. *et al.*, 2009; *Drug Discovery*, 14:25-30)

Clone:	mAb4
Species:	mouse
Specificity:	human β 2-microglobulin
Immunogen:	human tonsil B lymphocyte subsets
Species cross- reactivity:	nd
Isotype:	IgM
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8 Coupled: 100 μ l in 200 μ l / 50 μ g in 100 μ l PBS 50% glycerol

Available formats:

Reference N°		Format	Application tested
50 μ g	100 μ g		
DDX0060P-50	DDX0060P-100	purified	Surface Flow Cytometry, ELISA capture (runs with DDX0270 detecting antibody)

Applications tested: Flow cytometry



COP5 transiently transfected with β 2-microglobulin cDNA stained by clone mAb4.

Usage recommendation:

- *This monoclonal antibody may be used between 1-10 μ g/ml.
- *Optimal dilution should be determined by each laboratory for each application.
- *Coupled antibody: to maintain RT before use.

Aliquot storage conditions -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only