

Monoclonal Anti-human HLA class I α 1 domain

Product reference: DDX0250

Description:

Antibodies to HLA class I α 1 domain trigger apoptosis of activated T-cells and also control the growth/survival of human B lymphocytes. Addition of mAb 90 strongly inhibits the proliferation of CD40-activated total tonsillar B cells, purified naive, germinal center and memory B-cell subsets. mAb 90 binds to an epitope of the α -1 domain of HLA class I heavy chain induces apoptotic cell death of activated but not resting peripheral T lymphocytes.

(Genestier L. et al., 1997 *Blood*, 90, 726-35; Genestier L. et al. 1997, *Blood*, 90, 3629-3639)

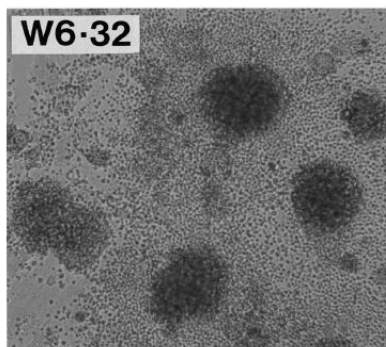
Clone:	mAb 90
Species:	mouse
Specificity:	human α 1 domain of HLA class I molecule
Immunogen:	tonsillar B cells
Species cross-reactivity:	nd
Isotype:	IgG1
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8

Available formats:

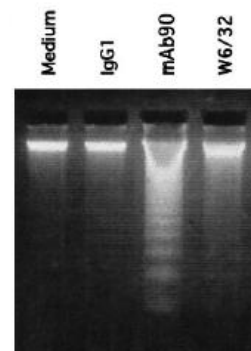
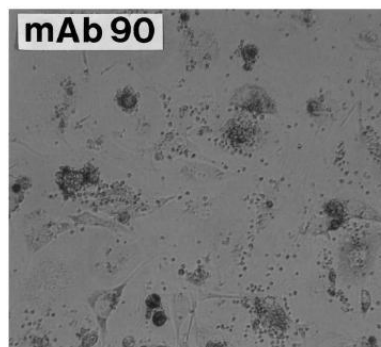
Reference N°		Format	Application tested
50 μ g	100 μ g		
DDX0250P-50	DDX0250P-100	Purified	Flow Cytometry, cell culture studies, ELISA capture (detecting antibody was clone 405H1, DDX0270)

Applications tested:

Proliferation, TUNEL assays.



mAb90 inhibits CD40-dependent B-cell proliferation. Tonsil B cells were cultured for 5 days on CD32-L cells in the presence of 1 μ g/ml anti-CD40 mAb with 1 μ g/ml of W6/32 or mAb90



mAb90 induces apoptosis of CD40-activated B cells. Cells were collected after 12 hours of treatment with the different mAbs and DNA from 2X10⁴ cells was run on 2% agarose gel and stained with ethidium bromide.

Usage recommendation:

- *This monoclonal antibody may be used between 1-20 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