



Monoclonal Anti-human CD40

1/ DESCRIPTION:

CD40 is a member of the tumor necrosis factor (TNF) receptor superfamily, which includes the low affinity nerve growth factor (NGF) receptor and CD95/Fas. CD40 is the receptor for CD40 ligand expressed on activated CD4⁺ T cells. Clark E.A. et al. have reported a mAb binding to a 50 kDa B-cell surface marker (BP50) which augments B-cell activation and proliferation. This B-cell marker was CD40.

Clone: G28.5
Species: mouse
Isotype: IgG1, K

Immunogen: human erythrocyte-rosette-negative tonsillar lymphocytes
Species cross-reactivity: ND
Specificity: human CD40

2/ STABILITY-CONSERVATION :

Aliquot storage conditions: -20°C. KEEP CONTENTS STERILE: no preservative.

Purified antibodies: avoid repeated freeze/thaw cycles.

Coupled antibodies: glycerol protects from freezing.

Stable one year upon receipt

3/ AVAILABLE FORMATS:

Reference N°	Format	Application tested
100 µg		
DDX0130P-100	Purified	Cell activation, IHC paraffin, flow cytometry

4/ USAGE RECOMMENDATION

This antibody may be used between 5-20 µg/ml.

Optimal dilution should be determined by each laboratory for each application.

Coupled antibody: to maintain room temperature before use

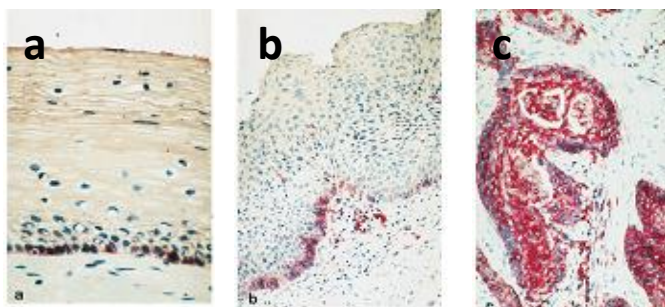
RUO : research use only

5/ MATERIALS AND METHODS

Purification: QMA Hyper D ion exchange chromatography

Purified in Tris-NaCl pH8 and adjusted at 0.5mg/ml in PBS+ antibiotics

Coupled: 0.5mg/ml in PBS 50%glycerol+ antibiotics



a: normal cervical epithelium
b: cervical intraepithelial neoplasia
c: squamous cell carcinoma

IHC staining of formalin-fixed paraffin-embedded human cervical tissue with mAb G28.5

Altenburg A et al, J.Immunol, 1999

6/ BIBLIOGRAPHY :

<http://www.dendritics.net/products/detail/ddx0380-122d2.08>