SANTA CRUZ BIOTECHNOLOGY, INC.

# RLA-DQ (2C4): sc-52609

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## BACKGROUND

Several class II α and β chain genes of the rabbit major histocompatability complex have been classified into three distinct subregions, R-DP, R-DQ and R-DR, based on their homology to the corresponding HLA-DP, -DQ and -DR genes. Studies indicate that the rabbit germline contains a total of approximately seven class II β genes, one DQ β, one DP β and five DR β. R-DQ and R-DR molecules show expression on cell surfaces, whereas R-DP molecules exhibit low levels of expression in the spleen. The constitutive coexpression of the major histocompatibility complex (MHC) class II genes in B lymphocytes requires positive, *trans*-acting transcriptional factors, although the mechanism by which the *trans*-acting factors exert their effect on gene transcription is unknown.

## REFERENCES


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7. Fain, M.A., Zhao, T. and Kindt, T.J. 2001. Improved typing procedure for the polymorphic single-copy RLA-DQA gene of the rabbit reveals a new allele. Tissue Antigens 57: 332-328.
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## SOURCE

RLA-DQ (2C4) is a mouse monoclonal antibody raised against spleen cells of rabbit origin.

## PRODUCT

Each vial contains 100 µg $IgG_{2a}$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

RLA-DQ (2C4) is recommended for detection of RLA-DQ-transfected cells of rabbit origin by immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x $10^6$ cells); non cross-reactive with RLA-DR-transfected cells.

## STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.