



## RLA-DQ (5K115): sc-71963

### BACKGROUND

Several class II  $\alpha$  and  $\beta$  chain genes of the rabbit major histocompatibility 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  $\beta$  genes, one DQ  $\beta$ , one DP  $\beta$  and five DR  $\beta$ . 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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### SOURCE

RLA-DQ (5K115) is a mouse monoclonal antibody raised against spleen cells of rabbit origin.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

### PRODUCT

Each vial contains 100  $\mu$ g IgG<sub>2a</sub> in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

RLA-DQ (5K115) is available conjugated fluorescein (sc-71963 FITC, 100 tests in 2 ml), for IF, IHC(P) and FCM.

### APPLICATIONS

RLA-DQ (5K115) is recommended for detection of RLA-DQ-transfected cells of rabbit origin by immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1  $\mu$ g per 1 x 10<sup>6</sup> 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.