



## CDw78 (1588): sc-73450

### BACKGROUND

Protein recognition at the interface of a T cell and an antigen-presenting cell (APC) is a key factor in T cell activation. MHC class II molecules (MHC-II) are heterodimeric proteins involved with antigen presentation to CD4<sup>+</sup> T cells. Human CDw78 is a cell surface molecule found on mature and immature B cells that may define a conformation of MHC-II bound to peptides that are obtained through trafficking to lysosomal antigen-processing compartments. Expression of CDw78 requires coexpression of MHC-II as well as its chaperone chain. Antibodies recognizing CDw78 may be useful research tools in targeting aggregated fractions of MHC-II which are very important in signaling and antigen-presenting properties. CDw78 is expressed in some acute lymphoblastic leukemias, B cell lymphomas and a few acute nonlymphocytic leukemias.

### REFERENCES

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### SOURCE

CDw78 (1588) is a mouse monoclonal antibody raised against leukocytes of human origin.

### PRODUCT

Each vial contains 200 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

CDw78 (1588) is available conjugated to either phycoerythrin (sc-73450 PE) or fluorescein (sc-73450 FITC), 200 µg/ml, for IF, IHC(P) and FCM.

### APPLICATIONS

CDw78 (1588) is recommended for detection of CDw78-antigen expressed on human B lymphocytes of human 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<sup>6</sup> 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](http://www.scbt.com) for detailed protocols and support products.