

**MONOCLONAL ANTIBODY CD46**

Cat. No.	Form	Quantity	Presentation
0846	Purified	0.2 mg	Freeze-dried

**Clone** J4-48

**Isotype** IgG1 (mouse)

**Immunogen** FKLY 18 B lymphoma cell line

**Hybridoma** NS1 x Balb/c spleen cells

**Specificity** The molecular weight of the recognized antigen is 56-66kDa.

The antigen has a broad distribution and is present on leucocytes, platelets, endothelial cells, epithelial cells and fibroblasts but is absent from erythrocytes. It is strongly expressed on sperm cells. The molecule is dimeric and o-glycosylated.

The antigen is identified as a membrane co-factor protein (MCP) active in the factor I-mediated cleavage of C3b/C4b.

**Applications** Flow cytometry or fluorescent microscopy.

**Buffer** 1 mg/ml bovine serum albumin in phosphate buffered saline.

**Reconstitution and Storage** The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 1 ml of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2-8°C.

**Recommended Procedures** Fluorescent microscopy or flow cytometry:  
Freeze-dried: 2 µg/5x10<sup>5</sup> cells.

**References** 1) Pesando, J.M., Abed, M., and Hoffman, P. "Altered expression of surface antigens with appearance of HLA class II molecules on a malignant human B cell line". 1987, Human Immunol., 19, 235-243.

2) This antibody was assigned to the CD46 cluster at the Human Leucocyte Workshop in Vienna, 1989.

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FOR RESEARCH USE ONLY - NOT FOR USE IN DIAGNOSTIC PROCEDURES



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