

DATA SHEET

CD59
(Cat #5590-P)

MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD59, PURIFIED

Clone	BRA10G
Isotype	IgG1, Kappa
Immunogen	Human K562 tumor cells.
Specificity	This antibody recognizes CD59 ^{(3) (4)} , a 20 kDa glycosyl phosphatidylinositol (GPI)-anchored protein that protects cells from complement-mediated lysis. Also known as membrane inhibitor of reactive lysis (MIRL), homologous restriction factor of 20 kDa (HRF20) or protectin, CD59 is expressed on B and T cells, NK cells, macrophages, monocytes, granulocytes, erythrocytes and platelets.
Application	Flow Cytometry ^{(1) (3) (4)} , immunoprecipitation ⁽⁴⁾ .
Form	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
Size	0.1 mg
Suggested amount	Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (Biocytex ref. 7208). For indirect immunofluorescence : use 50 µL of antibody at 15 µg/mL per 10 ⁶ cells in 100 µL sample.
Preservative	Sodium azide < 0.1%.
Storage	As delivered at +2-8°C until expiration date. After opening, aliquote contents and freeze at -20°C. Avoid repeated freezing and thawing.
HLDA Workshop	Leucocyte Typing V.
References	1. Costa C. <i>et al.</i> , J Immunol. 2002, 168(8), 3808-3816. 2. Nagakura S. <i>et al.</i> , Blood. 2002, 100(3), 1031-1037. 3. Schlossman SF. <i>et al.</i> , Leucocyte Typing V, Oxford University Press. 1995. 4. Chorvath B. <i>et al.</i> , Neoplasma. 1992, 39(6), 325-329.
Licence	Non exclusive licence with Cancer Research Institute (Slovak Academy of Sciences).

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURE.