SP6232CP
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DFF45 / ICAD / DFFA (2-21) Control Peptide

Alternate names: Inhibitor of CAD, DFF-45, DFF1, DNA fragmentation factor subunit alpha, DNA fragmentation factor 45 kDa subunit

Catalog No.: SP6232CP

Quantity: 50 µg

Concentration: 1 mg/ml

Immunogen: Rat spleen cell glycoprotein

Format: **State:** Liquid
Purification: Protein G affinity chromatography
Buffer System: PBS, pH 7.4, containing 0.09% sodium azide as preservative

Applications: Flow cytometry: 1:50-1:100, use 10 µl of the suggested working dilution to label 10e6 cells. Immunohistochemistry on frozen sections: Acetone fixation recommended - the antigen is sensitive to fixation with paraformaldehyde. Not suitable on paraffin embedded sections. ELISA. Immunoprecipitation.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises a monomorphic determinant of rat MHC Class I (RT-1A). However, quantitative measurements suggest that not all of the class I molecules are recognised. MRC OX-18 has been used in immunoaffinity purification of rat MHC class I molecules (see Ref. 1). This product is routinely tested in flow cytometry on rat splenocytes.
Species: Rat.
Others not tested.

Storage: Store the antibody at 2-8°C for up to one month or at -20°C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.

General References:
1. Fukumoto, T. et al. (1982). Mouse monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and Class I antigens in rat thymus. Eur. J. Immunol. 12: 237-243.
2. Bukovský, A. et al. (1984) Association of some cell surface antigens of lymphoid cells and cell surface differentiation antigens with early rat pregnancy. Immunology. 52:631-640
3. Osawa, H. et al. (1985) Inhibin of IL-2 dependent proliteration of rat T-lymphoblast by the monoclonal antibody ART62 which reacts with MHC class I antigens. J. Immunol. 134(6): 3901-3906.
4. Stet, R.J.M. et al. (1987) U9F4: A monoclonal antibody recognizing a rat polymorphic class I determinant. Transpl. Proc. 19: 3004-3005.
5. Fujikawa, L. S. et al. (1989) Class Ii antigens on retinal vascular endothelium, pericytes, macrophages and lymphocytes of the rat. Invest. Ophthalmol. Vis. Sci. 30(1): 66-73

6. Zhai, Y. and Knechtle, S. et al. (1998) Two distinct forms of soluble MHC class II molecules synthesized by different mechanisms in normal rat cell in vitro. Human Immunol. 59: 404-414