

Technical Data Sheet

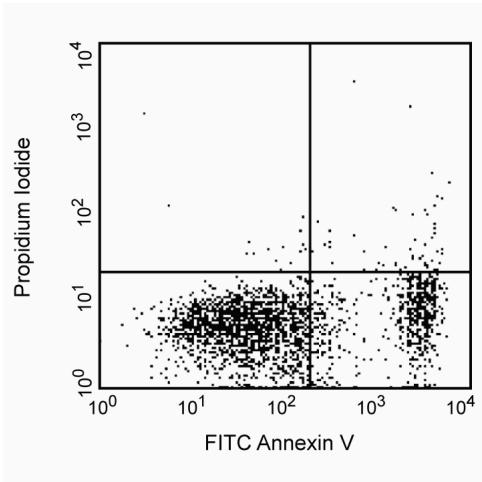
Purified Mouse Anti-Human CD95

Product Information

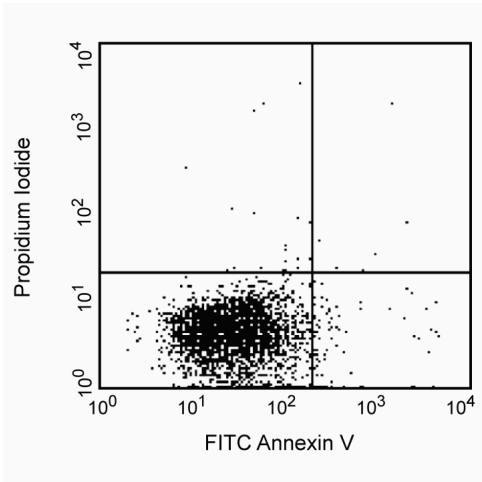
Material Number:	550042
Alternate Name:	Fas/APO-1
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	EOS9.1
Isotype:	Mouse IgM, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing no preservative.

Description

Reacts with a 45 kD type I membrane molecule also known as APO-1, or Fas antigen. CD95 belongs to the tumor necrosis factor receptor (TNF-R) family of proteins and is expressed on various cells, including activated T cells and B cells. The interaction of CD95, Fas antigen, with Fas ligand is one of the many mechanisms that lead to apoptosis or programmed cell death. The interaction of CD95 expressing target cells with Fas ligand on cytotoxic T cells induces an apoptotic signal leading to target cell death. It has been reported that apoptosis is the mechanism used by the immune system in clonal deletion of self-reactive T cells during embryological development.



Jurkat cells treated for 6 hours with CD95 (EOS9.1)



Jurkat cells treated for 6 hours with mouse IgM isotype control

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. This preparation contains no preservatives, thus it should be handled under aseptic conditions. Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
Fluorescence microscopy	Tested During Development
Functional assay	Tested During Development

BD Biosciences

[www.bdbiosciences.com](http://www.bdbiosciences.com)

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit [www.bdbiosciences.com/how\\_to\\_order/](http://www.bdbiosciences.com/how_to_order/)

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2007 BD



## Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
555581	Purified Mouse IgM, $\kappa$ Isotype Control	0.1 mg	G155-228

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmlngen/protocols](http://www.bdbiosciences.com/pharmlngen/protocols) for technical protocols.

## References

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.(Biology)  
Krammer PH, Dhein J, Walczak H. The role of APO-1-mediated apoptosis in the immune system. *Immunol Rev*. 1994; (142):175-191.(Biology)  
Nagata S, Golstein P. The Fas death factor. *Science*. 1995; 267(5203):1449-1456.(Biology)  
Rouvier E, Luciani MF, Golstein P. Fas involvement in Ca(2+)-independent T cell-mediated cytotoxicity. *J Exp Med*. 1993; 177(1):195-200.(Biology)