Technical Data Sheet

Purified Mouse Anti-Human CD95

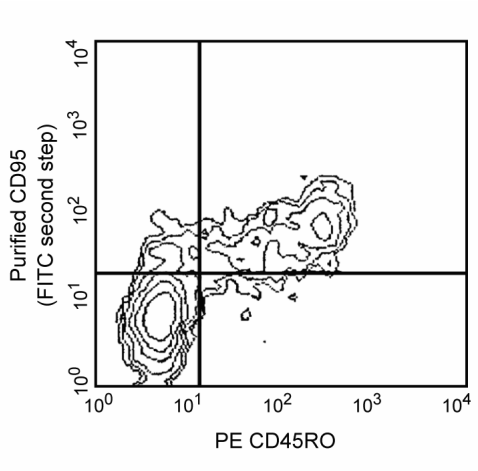
Product Information

Material Number:	**555671**
Alternate Name:	Fas/APO-1
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	DX2
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human Tested in Development: Baboon, Rhesus, Cynomolgus, Dog, Pig
Workshop:	VI C-64
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

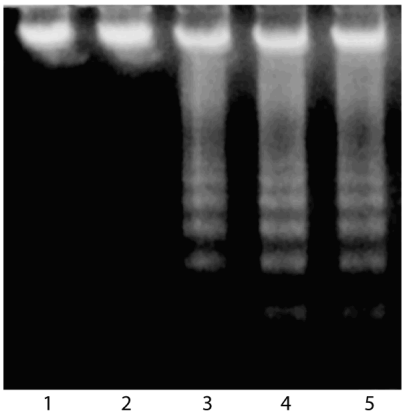
Description

Reacts with the 45 kDa transmembrane cell surface Fas or Apo-1 antigen (designated CD95 at the Fifth HLDA Workshop) which is expressed on a variety of normal and neoplastic cells. The Fas/Apo-1 antigen is a polypeptide, which plays a role in the programmed sequence of events leading to cell death, termed apoptosis. The DX2 clone specifically reacts with murine L cells, murine L1210 leukemia cells and murine P815 mastocytoma cells transfected with human Fas cDNA but not with untransfected parental cell lines. Cross-linking with DX2 delivers an apoptotic signal indicating that DX2 recognizes a functional epitope of the CD95 antigen.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Profile of peripheral blood lymphocytes analyzed by flow cytometry



***DX2-induced apoptosis in Fas transfectant cells line** P825/FASDT151 detected by DNA fragmentation analysis. Cells were incubated alone (lane 1), in the presence of mouse IgG1 (lane 2) or in the presence of DX2 at 10, 100 or 500 ng/ml (lanes 3, 4 and 5, respectively).*

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

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Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Kishimoto T, von dem Borne AEG, Goyert SM,et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens.* London: Garland Publishing; 1997. (Clone-specific)

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens.* New York: Oxford University Press; 1995.(Biology)

Cifone MG, De Maria R, Roncaioli P, et al. Apoptotic signaling through CD95 (Fas/Apo-1) activates an acidic sphingomyelinase. *J Exp Med.* 1994; 180(4):1547-1552.(Biology)

Itoh N, Yonehara S, Ishii A, et al. The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis. *Cell.* 1991; 66(2):233-243. (Biology)