

Technical Data Sheet

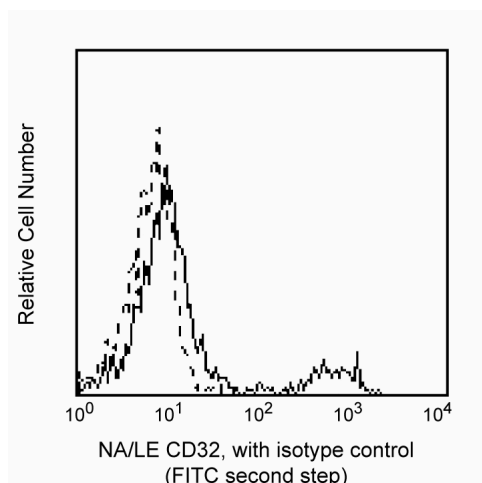
Purified NA/LE Anti-Human CD32

Product Information

Material Number:	552930
Alternate Name:	FcγRII
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	3D3
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2μm sterile filtered. Endotoxin level is ≤0.01 EU/μg (≤0.001 ng/μg) of protein as determined by the LAL assay.

Description

Reacts with FcγRII (CD32), a 40 kDa, polymorphic transmembranous glycoprotein, highly glycosylated molecule (encoded by at least two genes), expressed on monocytes, granulocytes, platelets and B cells. Unlike FLI28.6, 3D3 mAb detected a polymorphic CD32 antigen expressed on B cells of all donors, but only on platelets, monocytes and granulocytes of some donors. The platelets from 3D3+ donors respond to certain stimulatory mAb such as CD165 (clone SN2, Cat. No. 556050) and result in aggregation. On the other hand, the platelets from 3D3 negative donors do not form aggregates after stimulation. Individuals can be divided into two groups as responder and non-responder depending on expression, or non-expression, of 3D3. In comparison to 3D3, FLI8.26 detects a monomorphic CD32 antigen expressed on all human donors.



Profile of anti-CD32 (3D3) on peripheral blood lymphocytes analyzed by flow cytometry

Preparation and Storage

Store undiluted at 4°C.

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.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3

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.

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References

Gosselin EJ, Brown MF, Anderson CL, Zipf TF, Guyre PM. The monoclonal antibody 41H16 detects the Leu 4 responder form of human Fc gamma RII. *J Immunol.* 1990; 144(5):1817-1822. (Biology)

Vely F, Gruel N, Moncuit J, et al. A new set of monoclonal antibodies against human Fc gamma RII (CD32) and Fc gamma RIII (CD16): characterization and use in various assays. *Hybridoma.* 1997; 16(6):519-528. (Biology)