

Technical Data Sheet

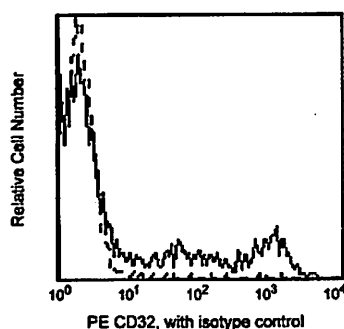
PE Mouse Anti-Human CD32

Product Information

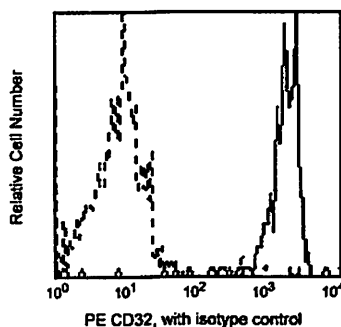
Material Number: 550586
Alternate Name: CD32a, FcγRIIa, FCGR2A; CD32b, FcγRIIb, FCGR2B; CD32c, FcγRIIc, FCGR2C
Size: 100 Tests
Vol. per Test: 20 μl
Clone: FLI8.26 (also known as 8.26)
Immunogen: K562 or FcγRII+ L cell lines
Isotype: Mouse (BALB/c) IgG2b, κ
Reactivity: QC Testing: Human
 Tested in Development: Rhesus, Cynomolgus, Baboon
Workshop: V MA128
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

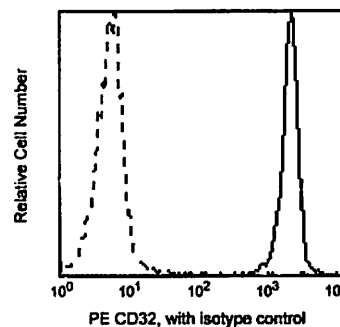
The FLI8.26 monoclonal antibody specifically recognizes CD32 which is also known as Fcγ receptor type II (FcγRII). CD32 is a type I transmembrane glycoprotein that serves as a low affinity receptor for aggregated IgG. The FLI8.26 antibody recognizes a, b, and c forms of CD32 that are encoded by separate genes: CD32a/FcγRIIa (*FCGR2A*), CD32b/FcγRIIb (*FCGR2B*), and CD32c/FcγRIIc (*FCGR2C*). These forms are differentially expressed on monocytes, granulocytes, T cells, B cells, NK cells, or platelets. These receptors play various roles in mediating and regulating inflammation and immunity including phagocytosis, cytotoxicity, degranulation, or platelet activation.



Profile of peripheral blood lymphocytes analyzed by flow cytometry



Profile of peripheral blood monocytes analyzed by flow cytometry



Profile of peripheral blood granulocytes analyzed by flow cytometry

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555743	PE Mouse IgG2b κ Isotype Control	100 Tests	27-35
554656	Stain Buffer (FBS)	500 mL	(none)
554657	Stain Buffer (BSA)	500 mL	(none)
555899	Lysing Buffer	100 mL	(none)

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100- μ l experimental sample (a test).
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
4. 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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
6. An isotype control should be used at the same concentration as the antibody of interest.
7. Species testing during development may have been performed with a different format of the same clone. Selected applications have been tested for cross-reactivity.

References

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