

Technical Data Sheet

FITC Mouse Anti-Human CD51/CD61

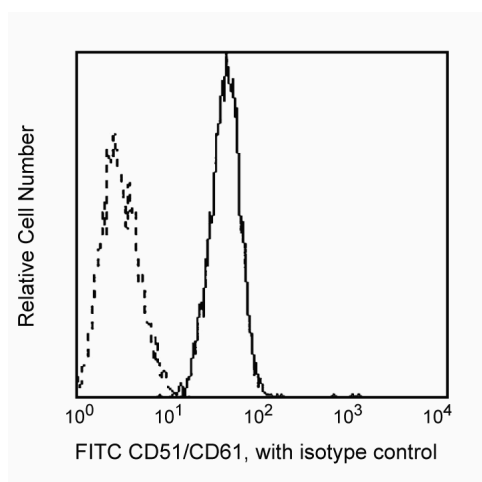
Product Information

Material Number:	555505
Size:	100 tests
Vol. per Test:	20 µl
Clone:	23C6
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human Reported: Rabbit
Workshop:	V S246, BP391
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with the integrin $\alpha\beta 3$ heterodimeric complex (CD51/CD61), which is expressed in high amounts on osteoclasts, endothelial cells, melanoma cells, and in very low amounts on platelets. This antibody has been reported to cross-react with chicken and rabbit, but not with rat, $\alpha\beta 3$. The integrin $\alpha\beta 3$, often referred to as the vitronectin receptor, binds several ligands in addition to vitronectin, and its binding to some ligands has been reported to be inhibited by the 23C6 mAb.

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 M21 (melanoma) cells analyzed on a FACScan
(BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555748	FITC Mouse IgG1 κ Isotype Control	100 tests	MOPC-21

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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 X 10⁶ cells in a 100-μl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
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.

References

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