

Technical Data Sheet

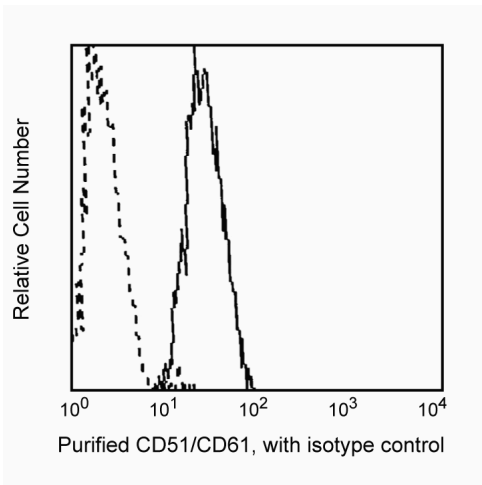
Purified Mouse Anti-Human CD51/CD61

Product Information	
Material Number:	555504
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	23C6
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human Reported: Rabbit
Workshop:	V S246, BP391
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with the integrin αvβ3 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, αvβ3. The integrin αvβ3, 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 by flow cytometry

Preparation and Storage

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

Application Notes

Application	
Flow cytometry	Routinely Tested

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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/pharminingen/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

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