

Technical Data Sheet

Biotin Mouse Anti-Human CD59

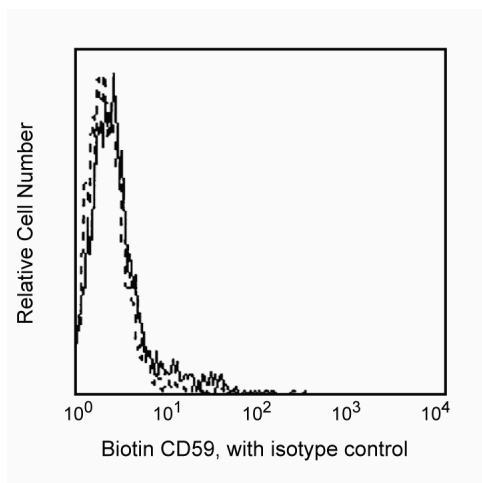
Product Information

Material Number:	555762
Size:	100 tests
Vol. per Test:	20 µl
Clone:	p282 (H19)
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	V S006
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

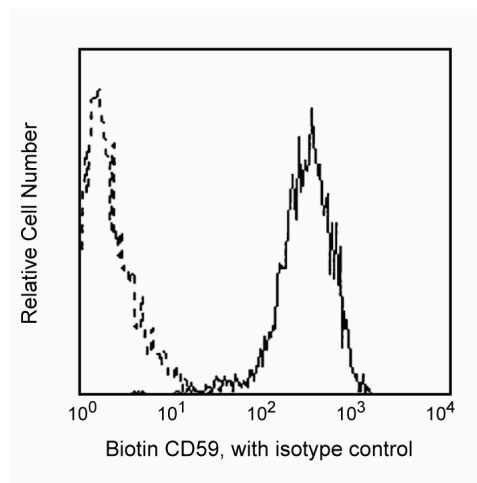
Description

Reacts with CD59, a 19 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein, expressed on hematopoietic and non-hematopoietic cells. Because of its role in interaction with complement activated products, CD59 has been termed membrane-attack-complex-inhibitory factor (MACIF), homologous restriction factor (HRF20), membrane inhibitor of reactive lysis (MIRL) and protectin. It inhibits the cytolytic activity of complement by binding to C8 and C9, thereby blocking the assembly of the membrane attack complex. CD59 also participates in spontaneous T-cell/erythrocyte adhesion, interacts with CD2 and plays a role in T-cell activation.

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 glycosylphosphatidylinositol (GPI) anchor-defective mutant cell line analyzed on a FACScan (BDIS, San Jose, CA)



Profile of K562 cells expressing glycosylphosphatidylinositol (GPI) anchor protein 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 biotin under optimum conditions, and unreacted biotin was removed.

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

Application Notes

Application

Flow cytometry

Routinely Tested

Recommended Assay Procedure:

This product is routinely tested on GPI anchor-defective mutant cell line as well as K562 cells.

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Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555572	Biotin Mouse IgG2a, κ Isotype Control	100 tests	G155-178
554061	PE Streptavidin	0.5 mg	(none)

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. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/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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