

Technical Data Sheet

Purified Mouse Anti-Human CD165

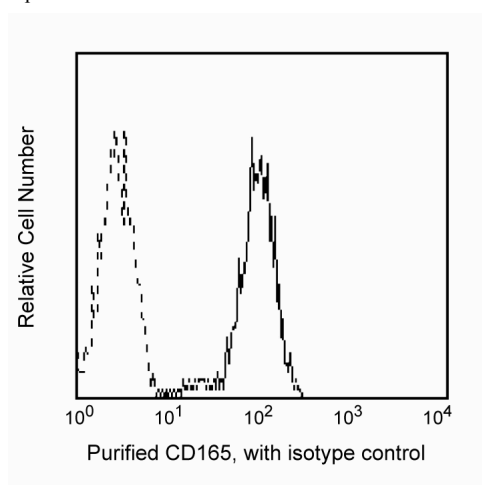
Product Information

Material Number:	556050
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	SN2
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	VI N-L099
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with a 37-42 kDa membrane glycoprotein expressed on a subset of peripheral lymphocytes, monocytes, immature thymocytes and on most platelets. CD165, also known as gp37 or AD2, is expressed at low levels on most thymocytes and thymic epithelial cells. CD165 has been detected on islet cells of the pancreas, Bowman's capsule of the kidney and on central nervous system neurons. SN2 antigen has been reported to be identical, or very similar, to the T-cell acute lymphoblastic leukemia antigen, TALLA-1. CD165 has been reported to play a role in the adhesion between thymocytes and thymic epithelial cells during development.

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 CD165 expressed on Jurkat cell line 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
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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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.
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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- Takagi S, Fujikawa K, Imai T, et al. Identification of a highly specific surface marker of T-cell acute lymphoblastic leukemia and neuroblastoma as a new member of the transmembrane 4 superfamily. *Int J Cancer*. 1995; 61(5):706-715.(Biology)