

Technical Data Sheet

Purified Mouse Anti-Human CD166

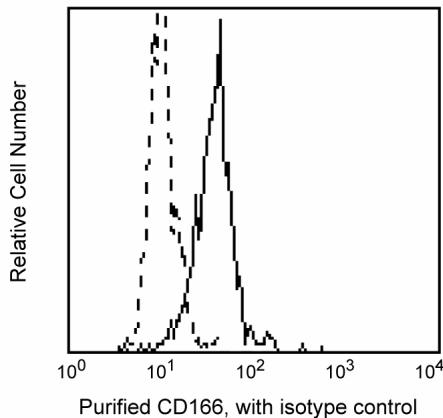
Product Information

Material Number:	559260
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	3A6
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	VI A109
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with the activated leukocyte cell adhesion molecule (ALCAM), a 100-105 kDa transmembrane glycoprotein, also known as the CD6 ligand, CD166. It is composed of an immunoglobulin-like extracellular domain, a transmembrane region and a short cytoplasmic tail. ALCAM belongs to the Ig superfamily of proteins and is expressed on neurons, activated monocytes, epithelial cells and fibroblasts. CD166 plays an important role in mediating adhesion interactions between thymic epithelial cells and CD6+ cells during intrathymic T-cell 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.



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

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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/pharmlngen/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

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.
(Clone-specific)
Aruffo A, Bowen MA, Patel DD, et al. CD6-ligand interactions: a paradigm for SRCR domain function?. *Immunol Today*. 1997; 18(10):498-504.(Biology)
Patel DD, Wee SF, Whichard LP, et al. Identification and characterization of a 100-kD ligand for CD6 on human thymic epithelial cells. *J Exp Med*. 1995; 181(4):1563-1568.(Biology)