

Technical Data Sheet

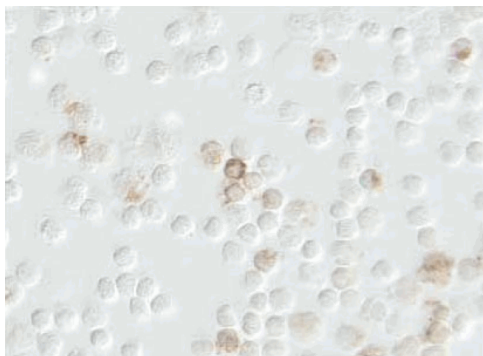
Purified Mouse Anti-Human RANTES

Product Information

Material Number:	550420
Size:	0.25 mg
Concentration:	0.5 mg/ml
Clone:	2D5
Immunogen:	Recombinant human RANTES protein
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The 2D5 antibody reacts with human **Regulated upon Activation, Normal T cells Expressed and Secreted (RANTES)**. The immunogen used to generate this hybridoma was recombinant human RANTES protein.



Immunocytochemical staining for RANTES. PBMC were isolated from human peripheral blood by density gradient centrifugation and were cultured overnight at 37°C with LPS (Sigma Cat. No. L-8274, 1 μ g / ml) in the presence of BD GolgiStop™ (Cat. No. 554724). The activated cells were harvested and stained by immunocytochemistry using a three-step staining procedure employing a Biotin Goat Anti-Mouse Ig secondary antibody and a Horseradish Peroxidase (HRP) based detection system (Nomarski optics, original magnification 400X).

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

Immunocytochemistry (cytospins)	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550337	Biotin Goat Anti-Mouse Ig (Multiple Adsorption)	1.0 ml	Polyclonal
550010	ICC Fixation Buffer	100 ml	(none)
551011	Anti-Mouse Ig HRP Detection Kit	200 tests	(none)
554724	Protein Transport Inhibitor (Containing Monensin)	0.7 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Hsu SM, Raine L, Fanger H. Use of avidin-biotin-peroxidase complex (ABC) in immunoperoxidase techniques: a comparison between ABC and unlabeled antibody (PAP) procedures. *J Histochem Cytochem.* 1981; 29(4):577-580. (Methodology)
Hsu SM, Raine L, Fanger H. A comparative study of the peroxidase-antiperoxidase method and an avidin-biotin complex method for studying polypeptide hormones with radioimmunoassay antibodies. *Am J Clin Pathol.* 1981; 75(5):734-738. (Methodology)
Schall TJ, Jongstra J, Dyer BJ, et al. A human T cell-specific molecule is a member of a new gene family. *J Immunol.* 1988; 141(3):1018-1025. (Biology)
Sticherling M, Kupper M, Koltrowitz F, et al. Detection of the chemokine RANTES in cytokine-stimulated human dermal fibroblasts. *J Invest Dermatol.* 1995; 105(4):585-591. (Biology)

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