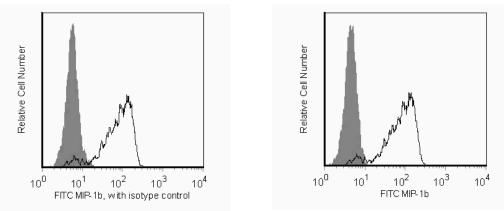
Technical Data Sheet FITC Mouse Anti-Human MIP-1β

Product Information

Material Number:	560565
Size:	100 tests
Vol. per Test:	20 µl
Clone:	D21-1351
Immunogen:	Recombinant Human MIP-18
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The monoclonal antibody D21-1351 reacts with the human CC chemokine, MIP-1β (macrophage inflammatory protein-1β). Human MIP-1β shares approximately 75% homology with mouse MIP-1ß at the amino acid level. Expression of MIP-1ß in human peripheral blood cells is induced by proinflammatory and mitogenic stimuli. MIP-1 β is a chemoattractant for monocytes and lymphocytes. Human MIP-1 β binds to receptors, CCR5 and CCR8. The human MIP-1ß gene has been mapped to chromosome 17q11. The immunogen used to generate D21-1351 hybridoma was recombinant human MIP-1ß.



Flow cytometric analysis of MIP-1β on human PBMC. Human PBMC were stimulated with 20 ng/mL human IFN-γ (Cat. No. 554616) for one hour followed by overnight incubation with 1 µg/mL LPS (Sigma-Aldrich, Cat. No. L-8272) in the presence of 2 µM BD GolgiStop™ (Cat. No. 554724). Left Panel: The PBMC were harvested, fixed, permeabilized, and stained with either a FITC Mouse IgG1, κ isotype control (shaded) or with the FITC Mouse Anti-Human MIP-1β antibody (unshaded). Right Panel: Both unstimulated (shaded) and stimulated PBMC (unshaded) were harvested, fixed, permeabilized, and stained with the FITC Mouse Anti-Human MIP-1ß antibody. Histograms were derived from gated events based on light scattering characteristics for monocytes. Flow cytometry was performed on a BD™ LSR II flow cytometry system.

Preparation and Storage

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

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

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Intracellular staining (flow cytometry) Routinely Teste	Routinely Tested		
Suggested Compa	nion Products			
Catalog Number	Name	Size	Clone	
555909	FITC Mouse IgG1, κ Isotype Control	100 tests	MOPC-21	
554715	BD Cytofix/Cytoperm Plus Kit (with BD GolgiStop)	250 tests	(none)	
554724	Protein Transport Inhibitor (Containing Monensin)	0.7 ml	(none)	
554616	Recombinant Human IFN-y	25 μg	(none)	

Product Notices

This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^{6} cells in a 100-µl experimental 1.

sample (a test).

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- 2. An isotype control should be used at the same concentration as the antibody of interest.
- 3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
- 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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
- 6. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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