Technical Data Sheet Purified Mouse Anti-Human CD158b

Product Information			
Material Number:	559783		
Size:	0.1 mg		
Concentration:	0.5 mg/ml		
Clone:	CH-L		
Isotype:	Mouse IgG2b, κ		
Reactivity:	QC Testing: Human		
Workshop:	VI NK8		
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.		

Description

Reacts with a 50 - 58 kDa type I glycoprotein molecule of the killer cell inhibitory receptor (KIR) family of proteins. CD158b has also been known as GLI83, p50.2, or p58.2. CD158b is composed of two extracellular Ig-like domains. It is expressed on a subset of NK cells and it may also be present on rare T cells (either CD3/TCR $\alpha\beta$ +, or CD3/TCR $\gamma\delta$ +). CD158b regulates NK cell mediated cytolytic activity by interacting with HLA-C alleles (Cw 1, 3, 7 and 8).

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 peripheral blood lymphocytes 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	
Application	

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Nu	Catalog Number Name			Size	Clone		
555988 FITC Goat Anti-Mouse IgG/IgM				0.5 mg	Gt/Ms		
555740Purified Mouse IgG2b κ Isotype Control			0.1 mg	27-35			
BD Bioscier	nces					А	
bdbiosciences.	com	_				S "	3 D N
United States 877.232.8995 For country-spe	Canada 888.259.0187 ecific contact infori	Europe 32.53.720.550 mation, visit bdbio	Japan 0120.8555.90 osciences.com/hov	Asia Pacific 65.6861.0633 v_to_order/	Latin America/Caribbean 55.11.5185.9995	C	<i>7</i> D D
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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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Colonna M, Samaridis J. Cloning of immunoglobulin-superfamily members associated with HLA-C and HLA-B recognition by human natural killer cells. Science. 1995; 268(5209):405-408.(Biology)

Ferrini S, Cambiaggi A, Meazza R, et al. T cell clones expressing the natural killer cell-related p58 receptor molecule display heterogeneity in phenotypic properties and p58 function. *Eur J Immunol.* 1994; 24(10):2294-2298.(Biology) Kim J, Chwae YJ, Kim MY, Choi IH, Park JH, Kim SJ. Molecular basis of HLA-C recognition by p58 natural killer cell inhibitory receptors. *J Immunol.* 1997;

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