

Technical Data Sheet

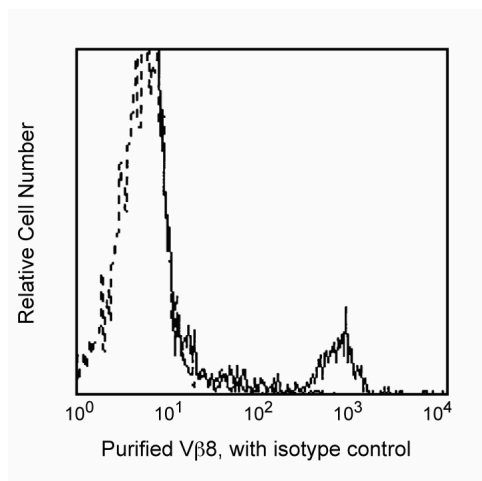
Purified Mouse Anti-Human Vβ8**Product Information**

Material Number:	555604
Alternate Name:	BV8
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	JR2
Isotype:	Mouse IgG2b κ
Reactivity:	QC Testing: Human
Workshop:	7
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with the β-chain variable region (Vβ8) of the T-cell antigen receptor expressed on 0.5% to 3% of peripheral blood T cells. This antibody has been further characterized as having specificity to a major subset of the BV8 region as determined in the TCR Workshop of July 1995. Staphylococcal enterotoxin E has been shown to specifically stimulate T cells bearing Vβ8 (BV8).

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 on a FACSscan (BDIS, San Jose, CA)

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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms
555740	Purified Mouse IgG2b κ Isotype Control	0.1 mg	27-35

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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/pharmlingen/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

Akolkar PN, Gulwani-Akolkar B, Pergolizzi R, Bigler RD, Silver J. Influence of HLA genes on T cell receptor V segment frequencies and expression levels in peripheral blood lymphocytes. *J Immunol.* 1993; 150(7):2761-2773.(Biology)

Jack AS, Boylston AW, Carrel S, Grigor I. Cutaneous T-cell lymphoma cells employ a restricted range of T-cell antigen receptor variable region genes. *Am J Pathol.* 1990; 136(1):17-21.(Biology)

Kappler J, Kotzin B, Herron L, et al. V beta-specific stimulation of human T cells by staphylococcal toxins. *Science.* 1989; 244(4906):811-813.(Biology)