Technical Data Sheet

Biotin Rat Anti-Mouse Vβ 2 TCR

Product Information

Material Number: 553279
Size: 0.25 mg
Concentration: 0.5 mg/ml
Clone: B20.6
Immunogen: Mouse Cytotoxic T-Cell Clone Soluble αβ TCR
Isotype: Rat (LOU) IgG2a, κ
Reactivity: QC Testing: Mouse
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The B20.6 antibody reacts with the Vβ 2 T-cell Receptor of all strains tested. Vβ 2 TCR-bearing T lymphocytes are clonally eliminated in mice expressing I-E and exposed neonatally to milk-borne BALB/cV virus, a highly tumorigenic strain of MMTV. Exposure of adult mice to BALB/cV virus results in expansion of Vβ 2 TCR-bearing T cells, which is partially dependent upon presentation by I-E.

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

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

Application Notes

Application | Flow cytometry | Routinely Tested
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Recommended Assay Procedure:

For flow cytometry of cell suspensions from peripheral lymphoid tissues, it is recommended that multicolor staining be performed to distinguish T lymphocytes from non-T cells.

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Suggested Companion Products

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<td>Biotin Rat IgG2α κ Isotype Control</td>
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<td>554060</td>
<td>FITC Streptavidin</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to wwwbdbiosciencescompharmingenprotocols 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

