



RayBiotech, Inc.

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Certificate of Analysis and DataSheet

Mouse Anti T-Cell Receptor Pan gamma/delta

Catalog No.
MD-21-0005

Species
Human

Isotype
IgG₁

Description

Monoclonal antibody to T-Cell Receptor Pan gamma/delta

Preparation

Host Animal: Mouse. Hybridization of X63.Ag8.653 myeloma cells with spleen cells from Balb/c mice.
Source: Ascites
Immunogen: Soluble gamma/delta T-cell receptor
Purification: Protein A chromatography

Specificity

Recognizes all the gamma/delta T cells regardless of the variable genes or junction regions they express as assessed by flow immunofluorescence studies on polyclonal gamma/delta T-cell lines as well as gamma/delta T-cell clones. This antibody works in Western blot techniques: it recognizes the gamma/delta complex under non-reducing conditions and the isolated delta chain on reducing conditions. This antibody immunoprecipitates the three isoforms of the gamma/delta T-cell receptor. It gives also excellent results in immunofluorescence on frozen section (paraffin not tested).

Formulation

Format: Purified, Lyophilized
Concentration: 0.2mg/ml (prior to lyophilization)
Affinity Constant: Not determined.
Buffer: Lyophilized from PBS containing 1mg/ml BSA
Preservative: None
Reconstitution: Reconstitute with 0.5ml distilled water.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. The addition of 0.1% sodium azide is recommended for storage of the reconstituted form for up to one month at 2-8°C.

Applications

Table Summary of antibody applications and working conditions

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|----------------------|-----|----|----------------|--|
| ELISA | | | . | |
| Western Blotting | . | | | |
| Immunofluorescence | | | . | |
| IHC - frozen | . | | | |
| Flow Cytometry | | | . | |
| Immunoprecipitation | . | | | |

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

References

- 1) Davodeau, F., et al., (1993), "Secretion of disulfide-linked human T-cell receptor gamma/delta heterodimers", *J. Biol. Chem.*, **268**, 15455-15480.
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- 4) Peyrat, M.A., et al., (1995), "Repertoire analysis of human PBL using a human V delta 3 region specific MAb. Characterization of dual TCR delta chain expressors and alpha beta T cells expressing V delta 3/J alpha/C alpha-encoded TCR chains", *J. Immunol.*, **155**, 3060-3067.
- 5) Thibault, G., et al., (1995), "Compared TCR and CD3-epsilon expression on alpha-beta and gamma-delta T cells. Evidence for the association of two TCR heterodimers with three CD3-epsilon chains in the TCR/CD3 complex", *J. Immunol.*, **154**, 3814-3820.

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