



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

#### Mouse Anti Human TCR Alpha Chain

#### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01570

**Target Species**  
Human

**Isotype**  
IgG2a

#### **Description**

Mouse Anti Human TCR Alpha Chain

#### **Preparation**

Purified IgG prepared by affinity chromatography on Protein A

#### **Specificity**

DS-MB-01570 reacts with the alpha chain constant region found on all alpha beta TCR bearing T-lymphocytes.

It reacts with 92-98% of all CD3 + peripheral blood lymphocytes. Does not cross react with Rat or Mouse.

#### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Preservatives & Stabilizers:** 0.09% Sodium Azide, 0.5% Bovine Serum Albumin

**Buffer Solution:** Phosphate buffered saline

**Approx. Protein Concentrations:** IgG concentration 0.1 mg/ml

#### **Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

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



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## Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Immunohistology - Frozen	•			
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Flow Cytometry		•		
Western Blotting			•	
Immunoprecipitation	•			

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

## Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

## References

1. Henry, L. *et al.* (1989) Two distinct immunogenic epitopes on the  $\alpha$  chain of human T cell antigen receptor. *Hybridoma* 8: 577.
2. Koning, F.R. *et al.* (1988) The biosynthesis and assembly of TCR  $\alpha$  and  $\beta$  chains with the CD3 complex. *J. Immunol.* 140: 3126.
3. Minami, Y. *et al.* (1987) Building a multichain receptor: synthesis, degradation and assembly of the T cell antigen receptor. *Proc. Nat. Acad. Sci.* 84: 2688.
4. Van Dongen, J.J. M. *et al.* (1987) T cell receptor-CD3 complex during early T cell differentiation. *J. Immunol.* 138: 1260.

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