



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human CD123:Azide Free

With HRP-conjugated Secondary Antibody

Catalog No. DS-MB-00304	Target Species Human	Isotype IgG1
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Preparation

Preparation: Purified IgG prepared by affinity chromatography on Protein G

Specificity

DS-MB-00304 recognizes the Human IL-3 receptor alpha chain (CD123). It is useful for monitoring expression of the receptor on activated endothelial cells, monocytes and eosinophils, sorting bone marrow progenitor cells and purification of basophils.

This antibody does not neutralize the activity of the IL-3 receptor alpha chain.

Flow Cytometry: Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline 0.22um sterile filtered

Preservative & Stabilizers: None present

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

Store at -20°C only.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. 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			•	
Western Blotting	•			2ug/ml
Immunohistology - frozen			•	
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation	•			2ug/ml
Immunofluorescence staining			•	
Flow Cytometry	•			3ug/ml

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

Reference

1. Korpelainen, E. *et al.* (1993) The receptor for interleukin 3 is selectively induced in human endothelial cells by tumour necrosis factor alpha and potentiates interleukin 8 secretion and neutrophil transmigration. *Proc. Natl. Acad. Sci. USA* 90: 11137-11141.

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