



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human CD126 (IL-6R)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00307

Target Species
Human

Isotype
IgG1

Preparation

Preparation: Purified IgG prepared by ion exchange chromatography

Fusion Partners: Spleen cells from immunised BALB/c (Iffa Credo) mice were fused with the X63/Ag.8653 mouse myeloma cell line.

Immunogen: CHO cells transfected with cDNA of the IL-6 receptor

Specificity

This antibody recognizes soluble and membranous human IL-6R. This antibody has been shown to inhibit IL-6 mediated proliferation of XG-1 cells, and partially blocks binding of IL-6 to its receptor.

Removal of Sodium azide is recommended prior to use in functional assays

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 pH.4

Preservative & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

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

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			•	
Immunohistology - frozen	•			
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation	•			
Immunofluorescence staining			•	
Flow Cytometry	•			1/50

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. Durandy, A. *et al.* (1994) Role of IL-6 in promoting growth of human EBV-induced B-cell tumors in severe combined immunodeficient mice. *J. Immunol.* 152:5361-5367
2. Lu, Z. *et al.* (1995) Interleukin-10 is a proliferation factor but not a differentiation factor for human myeloma cells. *Blood* 85:2521-2527
3. Keller, P. *et al.* (2005) Interleukin-6 receptor expression in contracting human skeletal muscle: regulating role of IL-6. *FASEB J.* 19:1181-1183.

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