



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rat Anti-HUMAN INTERLEUKIN-4

With HRP-conjugated secondary antibody

Catalog No.
DS-MB-01654

Target Species:
Human

Isotype:
IgG1

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

Immunogen: Purified CHO cell expressed recombinant human IL-4.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Specificity

DS-MB-01654 is specific for human Interleukin - 4 (IL-4), a 20kD cytokine which is expressed by a subpopulation of activated T cells and mast cells.

DS-MB-01654 is reported to neutralize IL-4 activity.

Reacts with: Rhesus Monkey

* Antibody reactivity and working conditions may vary between species

Reference

1. Krohn, A. et al. (1998) Staurosporine-induced apoptosis of cultured rat hippocampal neurons involves caspase-1-like proteases as upstream initiators and increased production of superoxide as a main downstream effector. J. Neurosci. 18: 8186-8197.
2. Kubota, M. et al. (1997) Oral immunization with Simian Immunodeficiency Virus p55 gag and cholera toxin elicits both mucosal IgA and systemic IgG immune responses in non human primates. J. Immunol. 158: 5321-5329.
3. Abrams, J. S. et al. (1992) Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. Immunol. Rev. 127: 5-24.
4. Patterson, B. et al. (2001) Leukemia inhibitory factor inhibits HIV-1 replication and is upregulated in placenta from nontransmitting women. J. Clin. Invest. 107: 287-294.
5. Carvalho, E. et al. (1994) Restoration of IFN-gamma production and lymphocyte proliferation in visceral leishmaniasis. J. Immunol. 152: 5949-5956.

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



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

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.

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry(1)	•			1:10-1:50
Immunoprecipitation			•	
Immunohistology - Frozen	•			
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Western Blotting	•			1:500-1:1,000
ELISA	•			

Note: other applications are not tested yet. Optimal dilutions should be determined by the users.

(1) Membrane permeabilization is required for this application. Use 10ul of the suggested working dilution to label 10^6 cells in 100ul. Method sheets are available on request.

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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