



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 Activation-Induced Cytidine Deaminase (AID)

Catalog No. 129-10001	Target Species Human	Isotype IgG2b
---------------------------------	--------------------------------	-------------------------

Preparation

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

Immunogen: Synthetic peptide corresponding to amino acids 185-198 of human AID.

Fusion Partners: Spleen cells from Long Evans rats were fused with cells of the P3X63-Ag8.653 myeloma cell line.

Specificity

129-10001 specifically recognizes specifically recognizes human AID (Activation-induced cytidine deaminase), a 24kDa RNA-editing enzyme essential for the initiation of immunoglobulin class switch recombination (CSR), somatic hypermutation (SHM) and gene conversion (GC).

Studies suggest that AID is selectively expressed by germinal centre (GC) B cells and B cell-derived lymphomas, and that a deficiency in AID is responsible for the autosomal recessive form of the immunodeficient condition Hyper-IgM syndrome.

Formulation

Product Type: Monoclonal Antibod

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: Ig concentration 1.0 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. 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.**



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

Applications

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

Note: Other applications are not tested yet. Optimal dilutions should be determined.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. EDTA pH8.0 is recommended for this purpose.

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