



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human CD73

Catalog No.
129-10168

Target Species
Human

Isotype
IgG2b

Synonyms

NT5, NTE

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein G

Immunogen: Recombinant human CD73 (amino acids 27-252) purified from *E. coli*.

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the mouse FO myeloma cell line.

Specificity

129-10168 specifically recognizes human CD73, otherwise known as ecto-5'-nucleotidase, a GPI-anchored enzyme and member of the 5'-nucleotidase family, which catalyzes the dephosphorylation of 5'-mononucleotides into their corresponding nucleosides, and can also mediate co-stimulatory signals in T cell activation.

CD73 is expressed by subpopulations of T and B lymphocytes, and increases during lymphocyte development, acting as a lymphocyte maturation marker. A decrease in CD73 activity has been associated with several immunodeficiency disorders including AIDS and Wiskott-Aldrich syndrome, and CD73 is expressed on a variety of lymphomas and leukaemias, including CLL and ALL.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG 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.**



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting (1)	•			1/1000 - 1/2000

Note: Other applications are not tested yet. Optimal dilutions should be determined.
(1) 129-10168 detects a band of approximately 63 kDa in human mesenchymal stem cell lysates.

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