



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 Goat Anti-Human ABCB5

Catalog No.
129-10010

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Purification: Antiserum to ABCB5 was raised by repeated immunization of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Immunogen: Peptide sequence C-QTQHRNTSKKAQ from the internal region of ABCB5 (NP_848654.3)

Specificity

129-10010 specifically recognizes human ABCB5 (ATP-binding cassette sub-family B member 5), a P-glycoprotein and member of the conserved ABC transporter family, which acts as an energy-dependent efflux transporter for rhodamine.

ABCB5 is primarily expressed by skin progenitor cells and shown to act as a regulator of cell fusion and determinant of membrane potential. Studies have revealed the expression of ABCB5 in human malignant melanoma tumors, and in particular its association with CD133⁺ stem cell phenotype-expressing cells

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: TRIS buffered saline pH7.3

Preservative Stabilizers: 0.02% Sodium Azide (NaN₃), 0.5% Bovine Serum Albumin

Approx. Protein Concentrations: Ig concentration 0.5 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
ELISA	•			1:128000
Western Blotting (1)	•			0.03 - 0.1ug/ml

Note: Other applications are not tested yet. Optimal dilutions should be determined.
(1) 129-10010 detects a band of approximately 80kDa in A431 cell lysates

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