

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-Mouse CD204: FITC

Catalog No.Target SpeciesIsotypeDS-MB-00487MouseIgG2b

Preparation

Synonyms: SCVR

Purification: Purified IgG prepared by affinity chromatography on Protein G

Immunogen: RAW264 cell line

Fusion Partners: Spleen cells from immunised AO rats were fused with cells of the Y3 rat myeloma

cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Specificity

DS-MB-00487 recognizes the murine scavenger receptor class A (SRA), type I and II, also known as CD204. CD204 is expressed by tissue macrophages and functions both as an endocytic receptor for lipoproteins and as an adhesion receptor for macrophages binding to ligand rich tissues e.g. atherosclerotic lesions. Clone 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion (1).

Species Cross Reactivity: Reacts with Pig

N.B. Antibody reactivity and working conditions may vary between species.

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. This product is photosensitive and should be protected from light.

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.



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Applications

Table Summary of antibody applications and working conditions

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

Note: Other applications are not tested yet. Optimal dilutions should be determined. (1) Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

Reference

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- 4. Bell, M.D.*et al.* (1994) Upregulation of the macrophage scavenger receptor in response to different forms of injury in the CNS. J. Neurocytol. 23: 605-613.
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- 7. Daugherty, A. *et al.* (2000) Polymorphism of class A scavenger receptors in C57BL/6 mice. J. Lipid Res 41: 1568 1577.
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