Product Information Datasheet

MOUSE ANTI HUMAN CD14: RPE (MCA1568PE)

Clone Identity: TuK4
Volume / Quantity: 100 TESTS
CD Number: CD14
Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Applications: This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Working Dilution</th>
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<td>Flow Cytometry:</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Reconstitution: Reconstitute with 1ml distilled water
Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution: Phosphate buffered saline
Preservative Stabilisers: 0.09% Sodium Azide 1.0% Bovine Serum Albumin
Isotype: IgG2a
Specificity: MCA1568PE recognises the human CD14 cell surface antigen, expressed strongly by most peripheral blood monocytes and weakly on granulocytes.

Clone Tuk4 has been shown to block SDF-induced chemotaxis of U937
cells in a dose-dependent manner (6). Serotec recommend the use of MCA1568EL for this purpose.

**Species Cross Reactivity:**
Reacts with: Sheep, Cynomolgus monkey, Monkey, Bovine, Goat, Rabbit, Dog, Cat, Mink, Pig

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

**Flow Cytometry:**
Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood. Method sheets are available on request.

**Recommended Negative Controls:**
MOUSE IgG2a NEGATIVE CONTROL: RPE - MCA929PE

**References:**


**Storage:**
Prior to reconstitution store at +4°C.

After reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:**
12 months from date of reconstitution.

**Health And Safety Information:**
(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

FOR RESEARCH PURPOSES ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC USE:
'2224:060519'

Remember... All Serotec reagents are covered by our Quality Promise