

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

## OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

## **SM1006F**

## Monoclonal Antibody to IgG (Fc CH2 Domain) - FITC

| Quantity:                        | 0.1 mg   |
|----------------------------------|--|
| Concentration:                   | 0.1 mg/ml  |
| Host / Isotype:                  | Mouse / IgG1   |
| Recommended Isotype<br>Controls: | SM10F (for use in human samples)   |
| Clone:                           | MK1A6  |
| Immunogen:                       | Human IgG Polyclonal. Spleen cells from BALB/c mouse were fused with cells from the mouse NS1 myeloma cell line.   |
| Format:                          | <b>State:</b> Liquid purified IgG<br><b>Purification:</b> Affinity chromatography on Protein G<br><b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum<br>Albumin<br><b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1   |
| Applications:                    | Flow Cytometry: Neat - 1/10;<br>Other applications not tested. Optimal dilutions are dependent on conditions and<br>should be determined by the user.  |
| Specificity:                     | This antibody recognises IgG Fc (all subclasses).<br>Epitope within CH2 domain (determined by haemagglutination and Western blotting<br>using IgG heavy chain and myelomas with defined domain deletions).<br><b>Species:</b> Human.<br>Other species not tested.  |
| Storage:                         | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for<br>longer.<br>Avoid repeated freezing and thawing.<br>This product is photosensitive and should be protected from light.<br>Shelf life: one year from despatch.  |
| General Readings:                | 1. Lund J, Takahashi N, Pound JD, Goodall M, Jefferis R. Multiple interactions of IgG<br>with its core oligosaccharide can modulate recognition by complement and human Fc<br>gamma receptor I and influence the synthesis of its oligosaccharide chains. J<br>Immunol. 1996 Dec 1;157(11):4963-9. PubMed PMID: 8943402. |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

1/1