# Agrisera

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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**Product no IMS09-038-335**

## Fibrinogen, labelled with fluorescein

## Product information

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| **Immunogen** | Purified, full length native fibrinogen UniProt:Q9UE34 |
| **Host** | Chicken |
| **Clonality** | Polyclonal |
| **Purity** | Affinity purified IgY |
| **Format** | Liquid in 0.15M sodium chloride, 0.02M sodium phosphate, 0.1% sodium azide, pH 7.2 |
| **Quantity** | 100 µl (0.2mg/ml) |
| **Storage** | Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes. |
| **Additional information** | The IgY fraction is isolated by a two-step PEG precipitation procedure followed by ammonium sulphate precipitation. Labelled with fluorescein. Affinity purified on human fibrinogen agarose. |

## Application information

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| **Recommended dilution** | 1: 10 (FC) |
| **Expected \| apparent MW** | 24 kDa |
| **Confirmed reactivity** | Human, Porcine, Rat, Rabbit |
| **Predicted reactivity** | Bovine, Mouse |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known. |
| **Additional information** | The antibodies have been shown to react with activated human, porcine, rat and rabbit platelets.<br><br>For high resolution images, please visit the specific product page at www.agrisera.com |
| **Selected references** | Terada et al. (2014). Effects of riboflavin and ultraviolet light treatment on platelet thrombus formation on collagen via integrin IIb 3 activation. Transfusion. 2014 Feb 8. doi: 10.1111/trf.12566.<br>Schmidt et al. (2012). Phenotyping of Staphylococcus aureus reveals a new virulent ST398 lineage. Clin. Microb. and Infection. |

**Application example**

**Flow cytometry:** Suitable for detection of platelet activation by flow cytometry. Blood samples were collected in 5 mL sodium citrate tubes (367704, Becton Dickinson, Rutherford, NJ). Platelet-rich plasma was isolated by centrifugation at room temperature. 5 ul platelet-rich plasma was added to polystyrene tubes containing 100 ul HEPES-buffer (137 mmol/L NaCl, 2.7 mmol/L KCl, 1 mmol/L MgCl2 , 5.6 mmol/L glucose, 1 g/L bovine serum albumin, and 20 mmol/L HEPES, pH 7.4) and 10 ul FITC labelled chicken antibody. The samples were incubated for 10 minutes at room temperature and were then diluted and fixed with 1000 ul ice-cold PBS (0.02 mol/L Na2HPO4, 0.15 mol/L NaCl, 0.02% NaN3 , pH 7.2), containing 1 % p-formaldehyde. No washing steps were used. The samples were analyzed utilising an Epics Profile XL-MCL cytometer (Coulter Electronics, Hialeah, FL). Data processing from 5,000 platelets was carried out with the XL software (Coulter Electronics).