

## PRODUCT DATA SHEET

### lab0036 Anti-Goat IgG (H+L), FITC conjugate antibody



#### Product specifications

|                             |  |                  |      |
|-----------------------------|--|------------------|------|
| <b>Immunogen</b>            | IgG(H+L)   | <b>Target</b>    | goat |
| <b>Form</b>                 | F(ab') <sub>2</sub> fragments  | <b>Labelling</b> | FITC |
| <b>Raised in</b>            | Rabbit   |                  |      |
| <b>Conjugate properties</b> | Fluorescein labelling is carried out to obtain a good signal while at the same time minimising the background. The F/P molar ratio is set between 3 and 7. FITC has the advantage of being detectable under a microscope. It can be easily used for carrying out multiple labelling in histochemistry or cyto-chemistry. However, FITC may rapidly lose its fluorescence. Maximum absorption: 495 nm. Maximum emission: 520 nm. Colour: green yellow.  |                  |      |
| <b>Applications</b>         | The F(ab') <sub>2</sub> is bivalent fragments of immunoglobulins, i.e. including two sites for the fixation of the antigen. They are prepared by enzymatic digestion (pepsin). Like our others antibodies, they are purified by affinity chromatography and are thus particularly specific. F(ab') <sub>2</sub> fragments have certain advantages with respect to the entire antibodies in flow cytometry, immuno-histochemistry and immuno-cytology. On the one hand their specificity is increased since they can no longer be bound in a non-specific way by their Fc part as entire Ig's are. On the other hand their use also increases the sensitivity of the technique. In fact, their small size enhances their penetration into tissues and cells as well as their availability for the antigens (particularly for Fab). Finally, conjugated Fab's have a label/antigenic ratio that is twice as high compared to antibodies (except fluorescent conjugates). |                  |      |
| <b>Working dilutions</b>    | Optimal dilution should be determined by the end user<br>The following are guidelines only :<br>- Flow cytometry : 1/10 to 1/100<br>- Immunocytochemistry : 1/10 to 1/100<br>- Immunohistochemistry : 1/10 to 1/100<br>- Indirect immunofluorescence : 1/50 to 1/200   |                  |      |

#### Packaging specifications

|                      |  |
|----------------------|--|
| <b>Packaging</b>     | 1 ml   |
| <b>Concentration</b> | 1 mg / ml  |
| <b>Appearance</b>    | Liquid   |
| <b>Constituents</b>  | PBS, 0.3% BSA  |
| <b>Preservative</b>  | 0.1% NaN <sub>3</sub>                                  |
| <b>Storage</b>       | Short term storage : +4°C<br>Long term storage : -20°C |

#### Recommendations

#### Product type

Secondary antibody

#### Clonality

Polyclonal Antibody

#### Related product

opr0015 ; opr0002 ;  
opr0008 ; opr0009

#### Warning

This is a laboratory reagent. It is not to be administered to human or animals nor be used as a drug

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version B

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