

PRODUCT DATA SHEET

lab0209 Anti-Mouse IgG (H+L), FITC conjugate antibody



Product specifications

Immunogen	IgG(H+L)		
Form	F(ab') ₂ fragments	Target	mouse
Raised in	Sheep	Labelling	FITC

Conjugate properties 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.

Applications The F(ab')₂ 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')₂ 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).

Working dilutions Optimal dilution should be determined by the end user
The following are guidelines only :
- Flow cytometry : 1/10 to 1/100
- Immunocytochemistry : 1/10 to 1/100
- Immunohistochemistry : 1/10 to 1/100
- Indirect immunofluorescence : 1/50 to 1/200

Packaging specifications

Packaging	1 ml
Concentration	1 mg / ml
Appearance	Liquid
Constituents	PBS, 0.3% BSA
Preservative	0.1% NaN ₃
Storage	Short term storage : +4°C 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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