

PRODUCT DATA SHEET

lab0118 Anti-Human IgG (Fab), Alkaline phosphatase conjugate antibody



Product specifications

Immunogen	IgG (Fab)		
Form	Fab fragments	Target	human
Raised in	Sheep	Labelling	Alk. Phosphatase
Conjugate properties	Alkaline phosphatase presents a lot of advantages. It offers a very high sensitivity, it is not rendered inactivated by certain inhibitors like peroxidase is and moreover has got various substrates: precipitating substrates (like BCIP/NTB or NADP/NF), soluble substrates (pNpp) and luminescent substrates (dioetan). The endogenous activity of this enzyme is particularly strong in the placenta and the intestine.		
Applications	The Fab is monovalent fragments of immunoglobulins, i.e. including one site for the fixation of the antigen. They are prepared by enzymatic digestion (papain). Like our others antibodies, they are purified by affinity chromatography and are thus particularly specific. Fab 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 : - ELISA : 1/500 to 1/5 000 - Immunoblot : 1/100 to 1/1 000 - Immunocytochemistry : 1/25 to 1/100 - Immunohistochemistry : 1/25 to 1/100		

Packaging specifications

Packaging	1 ml
Appearance	Liquid
Constituents	TBS, 50% Glycerol, 1% BSA
Preservative	0.1% NaN ₃
Storage	Short term storage : +4°C Long term storage : -20°C
Recommendations	Product in glycerol, do not freeze

Product type
Secondary antibody

Clonality
Polyclonal Antibody

Related product
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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