

PRODUCT DATA SHEET

lab0018 Anti-Dog IgG (H+L), Alkaline phosphatase conjugate antibody



Product specifications

Immunogen	IgG(H+L)	Target	dog
Form	F(ab') ₂ fragments	Labelling	Alk. Phosphatase
Raised in	Rabbit		
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 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 : - 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

updated 04/10/06

version B

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