

## PRODUCT DATA SHEET

### lab0054 Anti-Guinea-pig IgG (H+L), Alkaline phosphatase conjugate antibody



#### Product specifications

<b>Immunogen</b>	IgG(H+L)		
<b>Form</b>	Fab fragments	<b>Target</b>	guinea pig
<b>Raised in</b>	Sheep	<b>Labelling</b>	Alk. Phosphatase
<b>Conjugate properties</b>	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.		
<b>Applications</b>	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).		
<b>Working dilutions</b>	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

<b>Packaging</b>	1 ml
<b>Appearance</b>	Liquid
<b>Constituents</b>	TBS, 50% Glycerol, 1% BSA
<b>Preservative</b>	0.1% NaN <sub>3</sub>
<b>Storage</b>	Short term storage : +4°C Long term storage : -20°C
<b>Recommendations</b>	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

#### Covalab France

11, Avenue Albert Einstein  
69100 Villeurbanne - France  
Phone +33 (0) 437 654 230  
Fax +33 (0) 437 289 416  
Email [pa@covalab.com](mailto:pa@covalab.com)  
[www.covalab.com](http://www.covalab.com)

#### Covalab - UK Ltd

St John's Innovation Centre  
Unit 75, Cowley Road  
Cambridge, CB40WS - UK  
Phone +44 (0) 1223 421055  
Fax +44 (0) 1223 420844  
Email [enquiries@covalab.co.uk](mailto:enquiries@covalab.co.uk)  
[www.covalab.co.uk](http://www.covalab.co.uk)