

## Sheep Anti-Human IgG4 Fluorescein Conjugate

<b>Product Codes</b>	<b>AF009</b>	
Pack Sizes	AF009	0.5mg
	AF009.X	Bulk
Abbreviations	N/A	
Other names	N/A	

Use	For <i>in vitro</i> research and manufacturing uses only
<b>Users must validate this material for their own use and application</b>	

### Background

This product is manufactured by Binding Site in accordance with ISO13485 accredited quality systems.

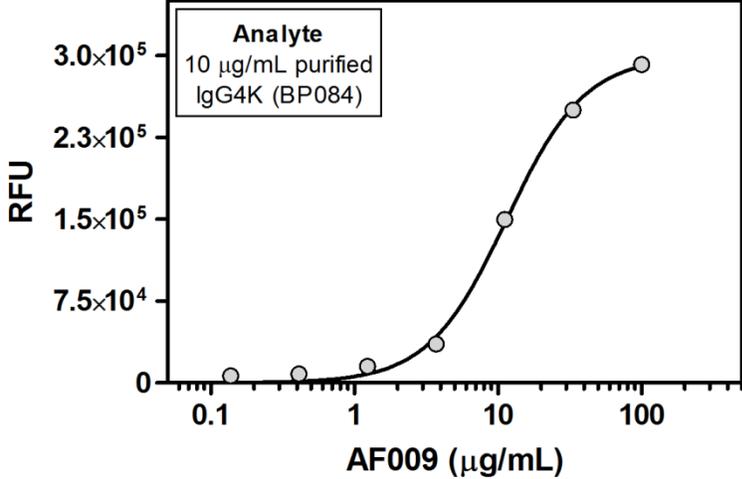
Guidelines for assays used within the Binding Site are included in this datasheet. These do not confer a diagnostic use of this product.

### Product Specification

<b>Immunogen</b>	Purified human IgG4, shown pure by IEP and SDS-PAGE
<b>Host</b>	Sheep
<b>Form</b>	Affinity purified immunoglobulins, conjugated to fluorescein isothiocyanate
<b>Method of Production</b>	Antibodies purified by elution from specific antigens, conjugated to fluorescein isothiocyanate
<b>Format</b>	Liquid
<b>Filtration</b>	0.2µm
<b>Buffer</b>	Phosphate buffered saline, pH 7.2
<b>Preservatives</b>	1% BSA and 0.099% sodium azide
<b>Total Protein Concentration</b>	0.5mg/ml as determined by measuring optical density at 280nm (extinction coefficient of a 1% solution, using a 1cm lightpath = 14.5)
<b>Titre</b>	Fluorescence intensity demonstrated by equivalence against previous lot by Fluorescent Immunoassay (FIA)



# PRODUCT DATASHEET

<p><b>FIA</b></p>	<p>Black microplates were coated with 10 µg/mL purified IgG4K protein (BP084) and probed with 0.14 – 100 µg/mL of AF009 in the dark. Following excitation at 485nm, the relative FITC fluorescence emission (RFU) was measured at 535nm.</p>  <table border="1"> <caption>Approximate data points from the FIA graph</caption> <thead> <tr> <th>AF009 (µg/mL)</th> <th>RFU</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>~1.0 × 10<sup>4</sup></td> </tr> <tr> <td>0.2</td> <td>~1.5 × 10<sup>4</sup></td> </tr> <tr> <td>0.5</td> <td>~2.5 × 10<sup>4</sup></td> </tr> <tr> <td>1</td> <td>~4.0 × 10<sup>4</sup></td> </tr> <tr> <td>2</td> <td>~7.5 × 10<sup>4</sup></td> </tr> <tr> <td>5</td> <td>~1.5 × 10<sup>5</sup></td> </tr> <tr> <td>10</td> <td>~2.2 × 10<sup>5</sup></td> </tr> <tr> <td>20</td> <td>~2.6 × 10<sup>5</sup></td> </tr> <tr> <td>50</td> <td>~2.8 × 10<sup>5</sup></td> </tr> <tr> <td>100</td> <td>~2.8 × 10<sup>5</sup></td> </tr> </tbody> </table>	AF009 (µg/mL)	RFU	0.1	~1.0 × 10 <sup>4</sup>	0.2	~1.5 × 10 <sup>4</sup>	0.5	~2.5 × 10 <sup>4</sup>	1	~4.0 × 10 <sup>4</sup>	2	~7.5 × 10 <sup>4</sup>	5	~1.5 × 10 <sup>5</sup>	10	~2.2 × 10 <sup>5</sup>	20	~2.6 × 10 <sup>5</sup>	50	~2.8 × 10 <sup>5</sup>	100	~2.8 × 10 <sup>5</sup>
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<p><b>Other Applications</b></p>	<p>This product has been successfully used in other applications such as Fluorescent Microscopy and IHC</p>																						
<p><b>Species Cross-reactivity</b></p>	<p>Cross reactivity with other animal sera has not been tested</p>																						

## Cautions

This product contains sodium azide and must be handled with caution; suitable gloves and other protective clothing should be worn at all times when handling this product. Do not ingest or allow contact with the skin (particularly broken skin or open wounds) or mucous membranes. If contact does occur wash with a large volume of water and seek urgent medical advice. Explosive metal azides may be formed on prolonged contact of sodium azide with lead and copper plumbing; on disposal of reagent, flush with a large volume of water to prevent azide build up.

Associated Documents

SDS  
Certificate of Analysis

Related Products

[www.immunologicals.com/products/index](http://www.immunologicals.com/products/index)  
AP360 Donkey anti-sheep/goat Immunoglobulins - HRP  
BP078 Purified human IgG1 kappa myeloma  
BP080 Purified human IgG2 kappa myeloma

# PRODUCT DATASHEET



BP082 Purified human IgG3 kappa myeloma  
BP084 Purified human IgG4 kappa myeloma

## Customised Variants

This product can be customized to meet specific requirements. The options available include, but are not restricted to, parameters such as titre, resting buffer and preservations. Please enquire for further information.

## Contacts

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For further assistance or  
advice please contact us at:-

[www.immunologicals.com/contact](http://www.immunologicals.com/contact)

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