

Datasheet: 5329-3806G

**BATCH NUMBER 170714**

<b>Description:</b>	MOUSE ANTI HUMAN INSULIN
<b>Specificity:</b>	INSULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	7F8 (E6E5)
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Bovine, Pig <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	1.0 mg/ml
<b>Immunogen</b>	Human insulin.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01308</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3630</a>    INS    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_10671781
<b>Specificity</b>	<b>Mouse anti Human Insulin antibody, clone 7F8 (E6E5)</b> recognizes insulin, a major metabolic hormone produced by B cells of the pancreas.
<b>Affinity</b>	7.5 x 10 <sup>9</sup> M <sup>-1</sup> .
<b>References</b>	<ol style="list-style-type: none"> <li>Oran, P.E. <i>et al.</i> (2011) Mass spectrometric immunoassay of intact insulin and related variants for population proteomics studies. <a href="#">Proteomics Clin Appl. 5: 454-9.</a></li> <li>Sienkiewicz, W.<i>et al.</i> (2000) Has active immunization against gonadotrophin-releasing hormone any effect on testis innervation in the pig? An immunohistochemical study. <a href="#">Anat Histol Embryol. 29 (4): 247-54.</a></li> <li>Pillon, N.J. <i>et al.</i> (2015) Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. <a href="#">Am J Physiol Endocrinol Metab. 309 (1): E35-44.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/5329-3806G">https://www.bio-rad-antibodies.com/SDS/5329-3806G</a>  10040</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)    [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M333549:181031'

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