

Datasheet: 0100-0414GA

**BATCH NUMBER 172097**

<b>Description:</b>	MOUSE ANTI HUMAN IgE
<b>Specificity:</b>	IgE
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	E454 (5D5)
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.2 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
ELISA	▪			

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>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	1.0 mg/ml
<b>Immunogen</b>	Immunoglobulin E from human serum.

**External Database  
Links**

**UniProt:**

[P01854](#)    [Related reagents](#)

**Entrez Gene:**

[3497](#)    IGHE    [Related reagents](#)

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**RRID**                      AB\_10676108

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**Specificity**              **Mouse anti Human IgE antibody, clone E454 (5D5)** recognizes human immunoglobulin E heavy chains, binding to an epitope expressed on the Ce2 domain.

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**Purity**                     Greater than 95% according to 7.5% SDS-PAGE.

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**Storage**                    This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**                 12 months from date of despatch

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**Health And Safety  
Information**                Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/0100-0414GA>

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**Regulatory**                For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)      [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...)        [FITC](#)  
Rabbit Anti Mouse IgG (STAR13...)      [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...)        [FITC](#)  
Goat Anti Mouse IgG (STAR77...)        [HRP](#)  
Goat Anti Mouse IgG (STAR76...)        [RPE](#)  
Goat Anti Mouse IgG (Fc) (STAR120...)   [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),  
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),  
[FITC](#), [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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)  
'M445256:250902'

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