

Datasheet: 0100-0413GA

Description:	MOUSE ANTI HUMAN IgE
Specificity:	IgE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	E411 (5H2)
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			
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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Immunoglobulin E from human serum
External Database Links	UniProt: P01854 Related reagents Entrez Gene: 3497 IGHE Related reagents

Specificity	Mouse anti Human IgE antibody, clone E411 (5H2) recognizes human IgE heavy chain, a 428 amino acid protein bearing four Ig-like domains. Mouse anti Human IgE antibody, clone E411 binds to an epitope expressed on Cε3 domain. Mouse anti Human IgE antibody, clone E411 has been successfully used as a capture reagent in the development of a sensitive Sandwich ELISA in combination with biotinylated Goat anti Human IgE (STAR147B) as a detection reagent. It has also been used in the development of a bead based microfluidic assay for the measurement of patient IgE levels in combination with Mouse anti Human IgE antibody, clone E454 (0100-0414) indicating potential for the study and monitoring of IgE levels in allergic events (Proczek et al. 2012).
References	1. Wan, L. <i>et al.</i> (2010) Genetic variations in the Cεpsilon domain of human membrane-bound IgE. Immunogenetics. 62: 273-80. 2. Proczek, G. <i>et al.</i> (2012) Total serum IgE quantification by microfluidic ELISA using magnetic beads. Anal Bioanal Chem. 402: 2645-53. 3. Brown, A.D. <i>et al.</i> (2012) IgE CH3 peptide vaccine US Patent Publication US 8298547 B2
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

'M317442:180702'

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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