

Datasheet: MCA5982P

Description:	MOUSE ANTI HORSE IgE:HRP
Specificity:	IgE
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	3H10
Isotype:	IgG1
Quantity:	0.1 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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/500 - 1/5,000
Immunoprecipitation			▪	
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 appropriate negative/positive controls.

Target Species	Horse
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal
Stabilisers	HRP Stabiliser (BUF052A)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Equine IgE
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the P3X myeloma cell line
Specificity	Mouse anti Horse IgE , clone 3H10, recognizes native equine IgE and does not cross react with equine IgM, IgA or IgG.

IgE is an immunoglobulin primarily produced from plasma cells and, in normal serum, present at very low concentrations.

IgE is important in both type 1 hypersensitivity and immunity to parasite infections, in particular parasitic worms where equine IgE levels are significantly elevated following infection.

Monoclonal antibodies to equine IgE are of particular relevance to research into insect bite sensitivity, one of the most widely studied allergic diseases in equid species ([Schaffartzik, A. et al. 2012](#)).

ELISA	This product may be used as a detection reagent in a sandwich ELISA together with MCA5983GA as the capture reagent.
References	1. Wilson, D.A. <i>et al.</i> (2006) Production of monoclonal antibodies specific for native equine IgE and their application to monitor total serum IgE responses in Icelandic and non-Icelandic horses with insect bite dermal hypersensitivity. Vet Immunol Immunopathol.112: 56-70.
Further Reading	1. Schaffartzik, A. <i>et al.</i> (2012) Equine insect bite hypersensitivity: what do we know? Vet Immunol Immunopathol. 147: 113-26.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10131 available at: 10131: https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HORSE IgE \(MCA5983GA\)](#)

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