

Datasheet: PRP07A

Description:	RAT IgE KAPPA
Name:	IgE KAPPA
Format:	Purified
Product Type:	Purified Protein
Clone:	IR162
Isotype:	IgE
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
ELISA	▪			0.1ug/ml - 1.25ug/ml

Where this protein 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 protein for use in their own system using appropriate positive/negative controls.

Target Species	Rat
Product Form	IgE purified (myeloma IR162) - liquid
Preparation	Purified IgE prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide
Approx. Protein Concentrations	IgE concentration 1.0 mg/ml
External Database Links	<p>UniProt:</p> <p>P01855 Related reagents</p> <p>Entrez Gene:</p>

RRID	AB_482877
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Specificity	Rat IgE is generated by a spontaneous immunocytoma isolated from a LOU/Wsl rat (Bazin 1974 , Bazin & Beckers 1974). The determinant recognized by IgE clone IR162 appears to be shared by several helminthic parasites, including <i>Anisakis simplex</i> , <i>Clonorchis sinensis</i> and <i>Toxocara canis</i> (Cho et al. 2000).
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Purity	Single band by agarose electrophoresis (5) and immunoelectrophoresis (6)
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References	<ol style="list-style-type: none">1. Bazin, H. (Ed) (1990) Rat Hybridomas and Rat Monoclonal Antibodies CRC Press, Boca Raton, Florida, USA.2. Bazin, H. <i>et al.</i> (1973) Brief communication: Transplantable immunoglobulin-secreting tumors in rats. V. Monoclonal immunoglobulins secreted by 250 ileocecal immunocytomas in LOU-Wsl rats. J. Natl. Cancer Inst. 51: 1359-1361.3. Bazin, H. and Beckers, A. (1974) IgE- Myelomas in Rats Nobel Symposium 33: Molecular and Biological Aspects of the Acute Allergic Reaction.4. Bazin, H. <i>et al.</i> (1974) Transplantable immunoglobulin-secreting tumours in rats. IV. Sixty-three IgE-secreting immunocytoma tumours. Immunology. 26: 713-723.5. Bazin, H. <i>et al.</i> (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. J. Immunol. Methods. 71: 9-16.6. Bazin, H. J. <i>et al.</i> (1984) Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. Immunol. Methods. 66: 261-269.7. Zeuthen, J. <i>et al.</i> (1980) IgE production in vitro by two rat myeloma tumor lines (IR2 and IR162). Cell Differ. 9 (3): 137-51.8. Tulinská J <i>et al.</i> (2018) Humoral and cellular immune response in Wistar Han RCC rats fed two genetically modified maize MON810 varieties for 90 days (EU 7th Framework Programme project GRACE). Arch Toxicol. 92 (7): 2385-99.9. Masuda, A. <i>et al.</i> (2018) Body Protein Reserves Sustain Maternal Performance in Early Lactation but Dietary Protein Is Necessary to Maintain Performance and Immune Responses to <i>Nippostrongylus brasiliensis</i>. in Lactating Rats. J Nutr. 148 (10): 1638-46.
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Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10335 available at: 10335: https://www.bio-rad-antibodies.com/uploads/MSDS/10335.pdf
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Regulatory	For research purposes only
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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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