

Datasheet: PRP07A

BATCH NUMBER 169042

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	UniProt: P01855 Related reagents

Entrez Gene:

[299351](#) Ighe [Related reagents](#)

RRID AB_482877

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 *Anisakis simplex*, *Clonorchis sinensis* and *Toxocara canis* ([Cho et al. 2000](#)).

Purity Single band by agarose electrophoresis (5) and immunoelectrophoresis (6)

References

1. Bazin, H. *et al.* (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.](#)
2. Bazin, H. *et al.* (1974) Transplantable immunoglobulin-secreting tumours in rats. IV. Sixty-three IgE-secreting immunocytoma tumours. [Immunology. 26: 713-723.](#)
3. Bazin, H. and Beckers, A. (1974) IgE- Myelomas in Rats [Nobel Symposium 33: Molecular and Biological Aspects of the Acute Allergic Reaction.](#)
4. Zeuthen, J. *et al.* (1980) IgE production in vitro by two rat myeloma tumor lines (IR2 and IR162). [Cell Differ. 9 \(3\): 137-51.](#)
5. Bazin, H. *et al.* (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. *et al.* (1984) Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. [Immunol. Methods. 66: 261-269.](#)
7. Bazin, H. (Ed) (1990) Rat Hybridomas and Rat Monoclonal Antibodies CRC Press, Boca Raton, Florida, USA.
8. Cho, J.K. & Cho, S.W. (2000) Shared epitope for monoclonal IR162 between *Anisakis simplex* larvae and *Clonorchis sinensis* and cross-reactivity between antigens. [J Parasitol. 86 \(5\): 1145-9.](#)
9. Masuda, A. *et al.* (2018) Body Protein Reserves Sustain Maternal Performance in Early Lactation but Dietary Protein Is Necessary to Maintain Performance and Immune Responses to *Nippostrongylus brasiliensis*. in Lactating Rats. [J Nutr. 148 \(10\): 1638-46.](#)
10. Tulinská J *et al.* (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.](#)

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.

Guarantee 12 months from date of despatch

Health And Safety Material Safety Datasheet documentation #10335 available at:

Information

<https://www.bio-rad-antibodies.com/SDS/PRP07A>
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Regulatory

For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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