

## Datasheet: MCA1119GA

<b>Description:</b>	MOUSE ANTI RABBIT CD25
<b>Specificity:</b>	CD25
<b>Other names:</b>	IL-2R ALPHA CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	KEI-alpha1
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/100 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
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.

<b>Target Species</b>	Rabbit
<b>Species Cross Reactivity</b>	Does not react with:Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Cell membrane preparation of HTLV-1 transformed rabbit T cell line.
<b>Fusion Partners</b>	Spleen cells of immunised BALB/c mice were fused with cells of the mouse PAI myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Rabbit CD25 antibody, clone KEI-alpha1</b> recognizes rabbit CD5, a 7#126;55 kDa cell surface antigen, otherwise known as the interleukin-2 (IL-2) receptor alpha chain. In rabbits, CD25 is expressed on activated T lymphocytes.</p> <p>Mouse anti Rabbit CD25 antibody, clone KEI-alpha1 is reported to inhibit the binding of IL-2 to its receptor (<a href="#">Kotani et al. 1993</a>).</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl
<b>References</b>	<ol style="list-style-type: none"> <li>1. Kotani, M. <i>et al.</i> (1993) Generation of monoclonal antibodies to the rabbit interleukin-2 receptor alpha chain (CD25) and its distribution in HTLV-1-transformed rabbit T cells. <a href="#">Jpn J Cancer Res. 84 (7): 770-5.</a></li> <li>2. Vinuesa, A.M. <i>et al.</i> (2010) Inoculation with <i>Mycobacterium plhei</i> inhibits allergic inflammation in a rabbit model of ovalbumin (ova) sensitization <a href="#">Rev CES Med Vet Zootec. 5: 10-16.</a></li> <li>3. D'Agostino, B. <i>et al.</i> (2007) Activation of protease-activated receptor-2 reduces airways inflammation in experimental allergic asthma. <a href="#">Clin Exp Allergy. 37: 1436-43.</a></li> <li>4. Dewals, B.G. and Vanderplasschen, A. (2011) Malignant catarrhal fever induced by Alcelaphine herpesvirus 1 is characterized by an expansion of activated CD3+CD8+CD4- T cells expressing a cytotoxic phenotype in both lymphoid and non-lymphoid tissues. <a href="#">Vet Res. 42: 95.</a></li> <li>5. Guerrero, I. <i>et al.</i> (2011) Evolution of the peripheral blood lymphocyte populations in multiparous rabbit does with two reproductive management rhythms <a href="#">Vet Immunol Immunopathol. 140: 75-81.</a></li> <li>6. Matsumura, T. <i>et al.</i> (1999) Suppression of atherosclerotic development in Watanabe heritable hyperlipidemic rabbits treated with an oral antiallergic drug, tranilast. <a href="#">Circulation. 99: 919-24.</a></li> <li>7. Khan, A.A. <i>et al.</i> (2015) Therapeutic immunization with a mixture of herpes simplex virus 1 glycoprotein D-derived "asymptomatic" human CD8+ T-cell epitopes decreases spontaneous ocular shedding in latently infected HLA transgenic rabbits: association with low frequency of local PD-1+ TIM-3+ CD8+ exhausted T cells. <a href="#">J Virol. 89 (13): 6619-32.</a></li> <li>8. Penadés, M. <i>et al.</i> (2018) Long-term implications of feed energy source in different genetic types of reproductive rabbit females. II. Immunologic status. <a href="#">Animal. 12 (9): 1877-85.</a></li> <li>9. Niedźwiedzka-Rystwej, P. <i>et al.</i> (2020) B and T lymphocytes in rabbits change</li> </ol>

- according to the sex and throughout the year. [Pol J Vet Sci. 23 \(1\): 37-42.](#)
10. Muñoz-Silvestre, A. *et al.* (2020) Pathogenesis of Intradermal Staphylococcal Infections: Rabbit Experimental Approach to Natural *Staphylococcus aureus* Skin Infections. [Am J Pathol. 190 \(6\): 1188-210.](#)
11. Niedźwiedzka-Rystwej, P. *et al.* (2021) Reactivity of selected markers of innate and adaptive immunity in rabbits experimentally infected with antigenic variants of RHD (Lagovirus europaeus/GI.1a). [Vet Res Commun. Oct 29 \[Epub ahead of print\].](#)
12. Parameswaran, N. *et al.* (2014) The A2 gene of alcelaphine herpesvirus-1 is a transcriptional regulator affecting cytotoxicity in virus-infected T cells but is not required for malignant catarrhal fever induction in rabbits. [Virus Res. 188: 68-80.](#)

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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: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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