

Datasheet: MCA1119GA

Description:	MOUSE ANTI RABBIT CD25
Specificity:	CD25
Other names:	IL-2R ALPHA CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	KEI-alpha1
Isotype:	IgG2b
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
Flow Cytometry	▪			1/100 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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

Target Species	Rabbit
Species Cross Reactivity	Does not react with:Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Cell membrane preparation of HTLV-1 transformed rabbit T cell line.
Fusion Partners	Spleen cells of immunised BALB/c mice were fused with cells of the mouse PA1 myeloma cell line.
Specificity	<p>Mouse anti Rabbit CD25 antibody, clone KEI-alpha1 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 (Kotani et al. 1993).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 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. Jpn J Cancer Res. 84 (7): 770-5. 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 Rev CES Med Vet Zootec. 5: 10-16. 3. D'Agostino, B. <i>et al.</i> (2007) Activation of protease-activated receptor-2 reduces airways inflammation in experimental allergic asthma. Clin Exp Allergy. 37: 1436-43. 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. Vet Res. 42: 95. 5. Guerrero, I. <i>et al.</i> (2011) Evolution of the peripheral blood lymphocyte populations in multiparous rabbit does with two reproductive management rhythms Vet Immunol Immunopathol. 140: 75-81. 6. Matsumura, T. <i>et al.</i> (1999) Suppression of atherosclerotic development in Watanabe heritable hyperlipidemic rabbits treated with an oral antiallergic drug, tranilast. Circulation. 99: 919-24. 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. J Virol. 89 (13): 6619-32.
Storage	<p>Store at +4°C for one month or at -20°C for longer.</p> <p>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.</p>
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](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [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](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Human Anti Mouse IgG2b (HCA038...) [FITC](#), [HRP](#)

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'M315176:180503'

Printed on 05 May 2018

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