

Datasheet: MCA1119GA

BATCH NUMBER 163953

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 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	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 PAI 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 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Kotani, M. et al. (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. et al. (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. et al. (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. et al. (2011) Evolution of the peripheral blood lymphocyte populations in multiparous rabbit does with two reproductive management rhythms Vet Immunol Immunopathol. 140: 75-81. 6. Khan, A.A. et al. (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. 7. Penadés, M. et al. (2018) Long-term implications of feed energy source in different genetic types of reproductive rabbit females. II. Immunologic status. Animal. 12 (9): 1877-85. 8. Niedźwiedzka-Rystwej, P. et al. (2020) B and T lymphocytes in rabbits change according to the sex and throughout the year. Pol J Vet Sci. 23 (1): 37-42. 9. Muñoz-Silvestre, A. et al. (2020) Pathogenesis of Intradermal Staphylococcal Infections: Rabbit Experimental Approach to Natural <i>Staphylococcus aureus</i> Skin Infections. Am J

[Pathol. 190 \(6\): 1188-210.](#)

10. 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 \[Epub ahead of print\].](#)

11. 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.](#)

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.
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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
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1119GA 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
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 (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

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