

Datasheet: MCA6336Z

BATCH NUMBER 156490

Description:	MOUSE ANTI HUMAN INTERLEUKIN-7:Preservative Free
Specificity:	IL-7
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2D8-24-25
Isotype:	IgG1
Quantity:	0.5 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	▪			1.0 ug/ml - 2.0 ug/ml
Western Blotting	▪			0.25 ug/ml - 0.5 ug/ml

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	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level	< 1 EU/μg
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	<i>E. coli</i> derived recombinant human interleukin-7
External Database Links	<p>UniProt: P13232 Related reagents</p> <p>Entrez Gene: 3574 IL7 Related reagents</p>
Specificity	<p>Mouse anti Human interleukin-7 antibody, clone 2D8-24-25, recognizes interleukin-7 (IL-7) a cytokine that plays roles in the early development of B and T cells. It is also required by mature T cells for survival, proliferation and many effector functions during infection and tumor infiltration (Sheikh & Abraham 2019). IL-7 elicits its biological functions through IL-7 receptor α. Upon ligand binding to IL-7 receptor α, the JAK and STAT signaling pathways are activated to subsequently activate downstream signaling pathways to initiate target gene transcription (Kittipatarin & Khaled 2007, Nguyen <i>et al.</i> 2017).</p> <p>IL-7 is mainly produced by stromal cells in the bone marrow and thymus under steady states. However, IL-7 is also present at low levels in the small intestine, lungs, liver and skin where it can modulate T cell responses (Sheikh & Abraham 2019).</p>
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/MCA6336Z10294
Regulatory	For research purposes only

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

Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

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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

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