

Mouse Anti-Bovine CD40:RPE,

monoclonal

CatNo **MAK2431PE**

Batch No: See label
 Expiration Date: See Label
 Storage: 2-8°C
KEEP DARK!

Clone Number:	IL-A156		
Volume/Quantity:	100 TESTS		
CD-Number:	CD40		
Product Form:	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution:	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.		
Preservatives Stabilisers:	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation:	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution:	Phosphate buffered saline		
Fusion Partners:	Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 myeloma cell line		
Isotype:	IgG1 (Mouse)		
Specificity:	Mouse anti Bovine CD40 antibody, clone IL-A156 recognizes the bovine Tumor necrosis factor receptor superfamily member 5, also known as CD40 or B-cell surface antigen CD40. CD40 is a 260 amino acid single pass type 1 transmembrane glycoprotein with a predicted molecular mass of 31 kDa. Bovine CD40 also has an N terminal signal peptide of 20 amino acids. Bovine CD40 is expressed by B lymphocytes and a subset of T lymphocytes. CD40 plays an important role in the differentiation of B lymphocytes into effector cells, and is also involved in interactions between T and B lymphocytes		
Species Cross Reactivity:	Reacts with: Sheep N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.		

Applications:	Suggested Working Dilution	
	FlowCytometry	Neat

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.

MAK2431PE 230724-1/2

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Flow Cytometry

Recommended Negative Controls:	Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Method sheets are available on request. Mouse IgG1 Negative Control:RPE (LINARIS CatNo ITC0928PE)
Storage Conditions:	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life:	12 months from date of despatch.
Health and Safety Information:	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.
MAK2431PE 230724-2/2	For Research purposes only. Not for therapeutic or diagnostic use.

