

Mouse Anti-Human HLA A2,
monoclonal

CatNo **MAK2090**

BatchNo: See Label
 Expiration Date: See Label
 Storage: 2-8°C for 1 month
 -20°C for longer

Clone Number:	BB7.2
Volume/Quantity:	0.2 mg
Product Form:	Purified IgG - liquid
Preparation:	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Buffer:	Phosphate buffered saline
Preservatives Stabilisers:	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations:	IgG concentration 0.1 mg/ml
Immunogen:	Papain solubilized HLA-A2
Fusion Partners:	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line
Isotype:	IgG2b (Mouse)
Specificity:	Mouse anti Human HLA A2 antibody, clone BB7.2 recognizes the human HLA-A2 histocompatibility antigen. The epitope recognized by this antibody has been studied extensively and would appear to include the carboxy-terminus of the alpha-2 helix and a turn on one of the underlying beta strands. Mouse anti Human HLA A2 antibody, clone BB7.2 may be used for the flow cytometric detection of HLA-A2 expression and has also been used for immunoaffinity purification of HLA-A2 molecules. Functionally Mouse anti Human HLA A2 antibody, clone BB7.2 is reported to inhibit MHC restricted cellular cytotoxicity

Applications:		Suggested Working Dilution
FlowCytometry	Yes	1µg/ml – 10µg/ml
Immunohistology-frozen	Yes	
Immunohistology-paraffin*	Yes	10µg/ml
Immunofluorescence	Yes	
ELISA	Not tested	
Immunoprecipitation	Yes	
Western Blotting	Not tested	

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.

MAK2090 230810 -1/2



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Flow Cytometry

	Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Method sheets are available on request.
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG:FITC conjugate (LINARIS CatNo LST0009B)
Recommended Negative Controls:	F(ab') ₂ rabbit anti-mouse IgG:RPE conjugate (LINARIS CatNo LST0012A/B) Mouse IgG2b Negative Control (LINARIS CatNo ITC691)

Immunohistology

Pre-treatment:	*This product requires heat pre-treatment. Sodium citrate buffer pH6.0 is recommended for this purpose.
Positive Control Tissue:	Human tonsil
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG HRP conjugate - (LINARIS CatNo LST0013B) Peroxidase Vectastain® ABC- <i>Elite</i> Mouse IgG (Vector CatNo PK-6102) DAB-Substrate (LINARIS CatNo E108) or HistoGreen-Substrate (LINARIS CatNo E109) Alkaline Phosphatase Vectastain® ABC Mouse IgG (Vector CatNo AK-5002) Vector® Red (Vector CatNo SK-5100).
Recommended Negative Controls:	Mouse IgG2b Negative Control (LINARIS CatNo ITC0691)

Storage Conditions:	Store at 2-8°C for one month or at -20°C for longer! Avoid repeated freezing and thawing as this may denature the antibody. 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.

MAK2090 230810 -2/2 **For Research purposes only. Not for therapeutic or diagnostic use.**

