

Mouse anti-Guinea Pig LYMPHOCYTES AND LANGERHANS CELLS Monoclonal Antibody

MOUSE ANTI GUINEA PIG LYMPHOCYTES AND LANGERHANS CELLS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50256	Mouse	Guinea Pig	Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

LYMPHOCYTES AND LANGERHANS CELLS; Monoclonal Antibody; MOUSE ANTI GUINEA PIG LYMPHOCYTES AND LANGERHANS CELLS; anti-LYMPHOCYTES AND LANGERHANS CELLS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Guinea Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MsGp2
Specificity	LYMPHOCYTES
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Applicable Applications for anti-LYMPHOCYTES AND LANGERHANS CELLS antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Buffer Solution	Phosphate buffered saline
Preparation and Storage	Store at +4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. 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. Shelf Life: 18 months from date of despatch



Application Data

Published customer image: Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 used for the detection of infiltrating lymphocytes in guinea pig skin following intradermal Mantoux injection and subsequent electroporation by immunofluorescence. Image caption: Histological analysis reveals infiltration of lymphocytes at the EP treatment site. Guinea pig skin sections were immunohistochemically stained with an antibody recognizing lymphocytes and Langerhans cells (Tetramethylrhodamine isothiocyanate (TRITC) secondary) after ID GFP plasmid administration followed by EP with SEP. Skin biopsies were removed, cryosectioned, antibody and 4',6-diamidino-2-phenylindole (DAPI) stained and visualized under fluorescence microscopy at 20x and 40x. An untreated control (no DNA, no EP) is also shown. From: Mendoza, J.M.; Amante, D.H.; Kichaev, G.; Knott, C.L.; Kiosses, W.B.; Smith, T.R.F.; Sardesai, N.Y.; Broderick, K.E. Elucidating the Kinetics of Expression and Immune Cell Infiltration Resulting from Plasmid Gene Delivery Enhanced by Surface Dermal Electroporation. Vaccines 2013, 1, 384-397.



FCM/FACS (Flow Cytometry)

Staining of Guinea Pig peripheral blood lymphocytes with Mouse anti Guinea Pig Lymphocytes and Langerhans Cells followed by Goat anti Mouse IgG (H/L):FITC

ADDITIONAL INFORMATION

Related Product Information for anti-LYMPHOCYTES AND LANGERHANS CELLS antibody

Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 recognizes an antigen present on the majority of T and B lymphocytes and thymocytes, although the antigen is not expressed by germinal centre cells of the lymph node (Kraal et al 1986). Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 also reacts strongly with epidermal Langerhans cells, giving a superior profile than anti-MHC Class II antibodies on these cells (Healey et al. 1987). Clone MsGp2 has the same distribution as Mouse anti Guinea Pig CD90 antibody, clone CT4 which detects an antigen reportedly involved in the organ non-specific trafficking of guinea pig lymphocytes (Kraal et al 1988). However, unlike clone CT4, clone MsGp2 does not functionally inhibit lymphocyte adherence to high endothelial venules in vitro (Healey et al. 1987).

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.