

Monoclonal Antibody to CD103 - PE

Alternate names:	HML-1 antigen, ITGAE, Integrin alpha-E, Integrin alpha-IEL, Mucosal lymphocyte 1 antigen
Catalog No.:	SM299R
Quantity:	100 Tests
Background:	OX-62 antigen has been shown to be rat alpha E2 integrin which is expressed by dendritic cells of dendritic epidermal T cells, intraepithelial lymphocytes in the small intestine and by cells of dendritic morphology in lymphoid organs, at sites where gamma delta T cells are present.
Uniprot ID:	O88341
NCBI:	10116
Host / Isotype:	Mouse / IgG1
Clone:	OX-62
Immunogen:	Density gradient cultured PVG rat thoracic duct dendritic cells. Spleen cells of BALB/c mice were fused with cells of the mouse NSO myeloma cell line.
Format:	State: Lyophilized purified IgG fraction Purification: Protein G chromatography Buffer System: PBS, pH 7.4 containing 1% BSA and 0.09% Sodium Azide Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute in 1 ml distilled water.
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the OX-62 antigen. Species: Rat. Other species not tested.
Storage:	Prior to and following reconstitution store (undiluted) at 2-8°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Shelf life: one year from date of despatch.
General References:	1. Brenan, M. and Puklavec, M. (1992). The MRC OX-62 Antigen: A useful marker in the purification of rat veiled cells with the biochemical properties of an integrin. J. Exp. Med. 175: 1457-1465. 2. Brenan, M. and Rees, D.J. (1997) Sequence analysis of rat integrin alpha E1 and alpha E2 subunits: tissue expression reveals phenotypic similarities between intraepithelial lymphocytes and dendritic cells in lymph. Eur. J. Immunol. 27: 3070-3079. 3. Kostulas, N. et al. (2002) Dendritic cells are present in ischemic brain after permanent middle cerebral artery occlusion in the rat. Stroke. 33: 1129-1134.

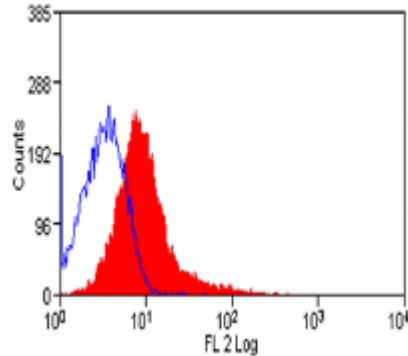
For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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4. Rival, C. et al. (2006) Identification of a dendritic cell population in normal testis and in chronically inflamed testis of rats with autoimmune orchitis. *Cell Tissue Res.* 324: 311-318
5. Tsuchiya, T. et al. (2002) Dendritic cell involvement in pulmonary granuloma formation elicited by bacillus calmette-guerin in rats. *Am. J. Respir. Crit. Care Med.* 165: 1640-1646.
6. Zilka, N. et al. (2009) Human misfolded truncated tau protein promotes activation of microglia and leukocyte infiltration in the transgenic rat model of tauopathy. *J. Neuroimmunol.* 209: 16-25.
7. Schwartzkopff, J. et al. (2010) NK cell depletion delays corneal allograft rejection in baby rats. *Mol. Vis.* 16: 1928-1935.

Pictures:



Rat Splenocytes stained with Mouse anti Rat OX-62-PE (SM299R)

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