

Monoclonal Antibody to CD5

Alternate names:	LEU-1, LEU1, Ly-1, Lymphocyte antigen T1/Leu-1, Lyt-1, T-cell surface glycoprotein CD5
Catalog No.:	VBABG14-01
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	CD5 is expressed early at low density on thymocytes and at high density on all mature T lymphocytes. It is expressed at higher density on CD4 Th lymphocytes as compared to CD8 Tc lymphocytes and expressed at low density on a small subset of mature B lymphocytes, B 1a cells, which is expanded during fetal life and in several autoimmune disorders as well as in some B cell-derived lymphoproliferative disorders (B-CLL) in humans. In cattle and pigs, CD5 is expressed at high density on peripheral blood alpha beta T cells and at a lower density on gamma delta T cells yielding a bimodal density profile in histograms and 2 parameter dot plot profiles using flow cytometry. This dichotomy is not distinct in sheep. Expression is evident on B cells in ruminants but not pigs or horses. It may be expressed on a subset of dendritic cells in peripheral blood in cattle.
Host / Isotype:	Mouse / IgM
Clone:	BAGB145A
Format:	State: Liquid ascites. Purification: Clarified by centrifugation, and filtered through a 0.2 µM filter. Buffer System: Supplied in phosphate buffered saline, preserved with sodium azide.
Applications:	Suitable for flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects CD5. Species: Goat. Does not react with cattle, sheep, swine, horse, cat, dog, ferret or mink. Other species not tested. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.
General Readings:	Davis, W.C., et al. Ruminant leukocyte differentiation molecules. In: MHC, Differentiation Antigens and Cytokines in Animals and Birds. Monographs in Animal Immunology. Edited by O. Barta. Blacksburg, VA: Bar-Lab, In

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
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

