

## Monoclonal Antibody to CD5

<b>Alternate names:</b>	LEU-1, LEU1, Ly-1, Lymphocyte antigen T1/Leu-1, Lyt-1, T-cell surface glycoprotein CD5
<b>Catalog No.:</b>	VABAG14-05
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	BAGB145A
<b>Format:</b>	<b>State:</b> Liquid ascites <b>Purification:</b> Clarified by centrifugation, and filtered through a 0.2 µM filter. <b>Buffer System:</b> Supplied in phosphate buffered saline, preserved with sodium azide.
<b>Applications:</b>	Suitable for flow cytometry. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects CD5. <b>Species:</b> Goat. Does not react with cattle, sheep, swine, horse, cat, dog, ferret or mink. Other species not tested.
<b>Storage:</b>	Store at 2 - 8 °C. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: on

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

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)