

Monoclonal Antibody to Bu-1b - PE

Alternate names:	B6.2, chicken B-cell marker
Catalog No.:	AM08135RP-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Bu1b is expressed on chicken B cells throughout most of their development, as well as on some non lymphoid cells. It has no recognizable similarity to known mammalian molecules and therefore represents a unique B cell marker. Its presence in chickens may be related to differences in the properties of B cell development between chickens and mammalian species. Chicken Bu1b, a product of the Bu1b allele, is expressed on the cell surface as a disulfide linked homodimer. In 10 week old H.B15 and H.B2 chickens, Bu1 is found on 85 to 90% of bursal cells, 2 to 8% of thymocytes, 15 to 27% of spleen cells, and 2 to 18% of peripheral blood cells. It is also expressed on subsets of macrophages and monocytes, but not on granulocytes, erythrocytes or thrombocytes. In chickens heterozygous for the Bu1 alleles (Bu1 a/b), Bu1a does not exhibit allelic exclusion.
Uniprot ID:	Q90747
NCBI:	9031
Host / Isotype:	Mouse / IgG1
Clone:	5-11G2
Immunogen:	Bursal cells from 2- to 5-week-old CHA (Bu-1b) strain Chickens.
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE – R-Phycoerythrin
Applications:	Flow Cytometry: < / = 0.2 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Chicken Bu-1b alloantigen (Mr. 70 kDa). It reacts with lymphoid cells from CHA and H.B14Ab strains but does not react with cells from H.B14Aa. Species: Chicken. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Veromaa, T., O. Vainio, E. Eerola, and P. Toivanen. 1988. Hybridoma 7:41.
 2. Houssaint, E., E. Diez, and J.R. Pink. 1987. Immunol. 62:463.
 3. Vainio, O. 1998. Personal communication.

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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