

## Monoclonal Antibody to Bu-1b - FITC

<b>Alternate names:</b>	B6.2, chicken B-cell marker
<b>Catalog No.:</b>	AM08135FC-N
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q90747</a>
<b>NCBI:</b>	<a href="#">9031</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	5-11G2
<b>Immunogen:</b>	Bursal cells from 2- to 5-week-old CHA (Bu-1b) strain Chickens.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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. <b>Species:</b> Chicken. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	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.

**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)



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](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)