

## Polyclonal Antibody to SCYA16 - Aff - Purified

**Catalog No.:** 15-288-21084

**Quantity:** 0.1 mg

**Concentration:** 0.5 mg/ml

**Background:** The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

**Host / Isotype:** Chicken

**Format:** **State:** Liquid purified Ig fraction.  
**Purification:** Protein G chromatography.  
**Buffer System:** 0.01 M KPO<sub>4</sub>, 0.15 M NaCl, pH 7.2 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.

**Applications:** Identification of Lyt 2 subset of T-cells and depletion with Flow Cytometric analysis (1  $\mu$ g/1x10<sup>6</sup> cells/test).  
Immunohistochemical staining of acetone-fixed frozen sections.  
Immunoprecipitation.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Anti-mouse CD8a recognizes the alpha chain of the Lyt2 Lymphocyte differentiation antigen of all strains tested.  
The antibody precipitates 44 kDa and 33 kDa proteins.  
The CD8a alpha and CD8b beta chains form a heterodimer.  
Reacts with non-polymorphic determinant.

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**General References:** 1. Ledbetter, J. A., et al., (1979) Immunol. Rev., 47, 63.  
2. Ledbetter, J. A., et al., (1980) J. Exp. Med. 152, 280.  
3. Van Ewijk, Et al., (1981) J. Immunol., 127, 2594.  
4. Nakayama, K., et al., (1994) Science, 263, 1131.

**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.

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