

Monoclonal Antibody to VSIG1 - PE

Alternate names:	Cell surface A33 antigen, GPA34, Glycoprotein A34, V-set and immunoglobulin domain-containing protein 1
Catalog No.:	AM08142RP-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	ChT1, a member of the Ig superfamily with one V-like and one C2-like domain, is a T cell antigen that is expressed on the surface of embryonic thymocytes (day 10). In young chickens, about 90% of the thymocytes as well as a subpopulation of peripheral lymphocytes (which represent recent thymic emigrants) are ChT1 positive. (Ref.1-4) Expression in the periphery declines with age and, in correlation with partial thymectomy, indicates that ChT1 can be used as an accurate marker for studying thymic function. (Ref.3)
Uniprot ID:	Q9PWR4
NCBI:	NP_001001745.1
GeneID:	414795
Host / Isotype:	Mouse / IgG1
Clone:	CT1
Immunogen:	Chicken thymocytes.
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. Identification and enumeration of ChT1+ cells. (Ref.4) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to ChT1 antigen (Mr 63/104 kDa) on Chicken thymocyte. (Ref.1) CT1 can block T cell differentiation in vitro, in thymic organ cultures and in thymocyte precursors cultured on stromal cell monolayers. (Ref.4) CT1 also recognizes quail cortical thymocytes. (Ref.1) 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. Chen, C.L., H.T.C. Chanh, and M.D. Cooper. 1984. Chicken thymocyte-specific antigen identified by monoclonal antibodies: ontogeny, tissue distribution and biochemical characterization. *Eur. J. Immunol.* 14:385.
2. Houssaint, E., E. Dietz, and F.V. Jotereau. 1985. Tissue distribution and ontogenic appearance of a chicken T lymphocyte differentiation marker. *Eur. J. Immunol.* 15:305-308.
3. Kong, F-K., C.L.H. Chen, and M.D. Cooper. 1998. Thymic function can be accurately monitored by the level of recent T cell emigrants in the circulation. *Immunity*: 8:97-104.
4. Katevuo, K., B.A., Imhof, R. Boyd., A. Chidgey, A. Bean, D. Dunon, T.W.F. Gobel, and O. Vainio. 1999. ChT1, an Ig superfamily molecule required for T cell differentiation. *J. Immunol.* 162:5685-5694.

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