

## OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

## AM10218SU-N OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

## Monoclonal Antibody to Rubella virus glycoprotein E1 -**Ascites** AM10218SU-N **Catalog No.: Quantity:** 0.2 ml **Background:** Rubella virus is the only member of the Rubrivirus genus of the Togavirus family. Unlike most Togaviruses it is NOT arthropod borne, but is acquired via the respiratory route. It is an enveloped (toga=cloak), non-segmented, positive sense, RNA virus and replicates in the cytoplasm. It consists of 3 structural proteins; E1,E2 membrane bound glycoproteins, and C capsid protein. E1 envelope glycoprotein is a class II viral fusion protein. Fusion activity is inactive as long as E1 is bound to E2 in mature virion. After virus attachment to target cell and endocytosis, acidification of the endosome induces dissociation of E1/E2 heterodimer and trimerization of the E1 subunits. This E1 homotrimer is fusion active, and promotes release of viral nucleocapsid in the cytoplasm after cell and viral membrane fusion. The E1 cytoplasmic tail modulates virus release, and the tyrosines residues are critical for this function. Host / Isotype: Mouse / IgG1 5D11 **Clone:** Recombinant E1H Rubella virus Immunogen: Format: State: Lyophilized powder Preservatives: None Reconstitution: Restore in distilled water. ELISA: 1/2000-1/10000. **Applications:** Western Blot: 1/200-1/1000. Immunocytochemistry on infected cells (IF): 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. Reacts with E1 hemagglutinin antigen, specific for Rubella virus (RUBV). **Specificity:** No cross reaction with other viruses. Prior to reconstitution store the antibody at -20°C. Storage: Store reconstituted antibody 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.

**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. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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