

Polyclonal Antibody to Thrombocyte (Adsorbed) - Serum

Catalog No.: AP31666SU-N

Quantity: 2 ml

Background: Platelets or thrombocytes are the blood cell fragments that are involved in the cellular mechanisms that lead to the formation of blood clots. Low levels or dysfunction predisposes for bleeding, while high levels, although usually asymptomatic, may increase the risk of thrombosis. Like red blood cells, platelets are anuclear (no cell nucleus) and discoid (disc shaped); they measure 1.5 to 3.0 μm in diameter. The body has a very limited reserve of platelets, so they can be rapidly depleted. They contain RNA, a canalicular system, and several different types of granules; lysosomes (containing acid hydrolases), dense bodies (containing ADP, ATP serotonin and calcium) and alpha granules (containing fibrinogen, factor V, vitronectin, thrombospondin and von Willebrand factor), the contents of which are released upon activation of the platelet. These granule contents play an important role in both hemostasis and in the inflammatory response.

Host: Rabbit

Format: **State:** Liquid Serum without preservatives.

Applications: **Cytotoxic Assays.**
Immunohistochemistry on Frozen Sections.
Immunohistochemistry on Paraffin Sections.
Test Type

For Agglutinating Antibodies: Antisera dilutions in RPMI-1640 incubated with target cells at 4-8°C for 1hr. Agglutination determined by microscopic observations.

Results: Antisera of the above lot (5807AD-2) strongly agglutinates Rat Thrombocytes at a dilution of 1/2000 and weakly agglutinates Rat splenocytes and thymocytes at a dilution of 1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is an antiserum directed against Rat Thrombocytes. This antiserum is adsorbed repeatedly with Rat Red Blood cells, Thymocytes and spleen cells to remove most antibodies to antigens common among different cell types. This adsorption significantly improves cytotoxic specificity.

Species: Rat.

Other species not tested.

Storage: Store the antibody (in aliquots) at -20°C.
Shelf life: one year from despatch.

General Readings: 1. Green et.al., J. Imm. Methods, vol 70: 257, (1984)