

Datasheet for R405-0050**Sheep Red Blood Cells 10% Washed Pooled Cells****Overview**

Description:	Sheep Red Blood Cell (RBC) 10% Washed Pooled Cells - R405-0050
Item No.:	R405-0050
Size:	50 mL
Applications:	Cellular Assay, FC, Other
Origin:	Sheep

Product Details

Background:	Sheep whole blood is washed to remove the platelet rich plasma, buffy coat layer, and leukocytes (WBC). Red blood cells are supplied as a 10 percent suspension in phosphate buffered saline (PBS). Sheep red blood cells are useful for the titration of complement, adsorption procedures, testing for agglutinins/HA assays, and for the preparation of stroma as particulate reagents. Sheep red blood cells are perishable and are collected and processed upon receipt of your order.
Synonyms:	Sheep Washed Pooled Cells, Sheep WPCs, Sheep Red Blood Cells, Sheep RBCs, erythrocytes
Species of Origin:	Sheep

Target Details

Relevant Links:	R405 SDS
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Application Details

Suggested Applications:	Cellular Assay, FC, Other (Based on references)
Application Note:	Complement titration, adsorption procedures, HA assays and for the preparation of stroma as particulate reagents.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Tissue Data

Tissue Type:	Red Blood Cells
Sex:	Mixed
Strain:	Sheep - Mixed

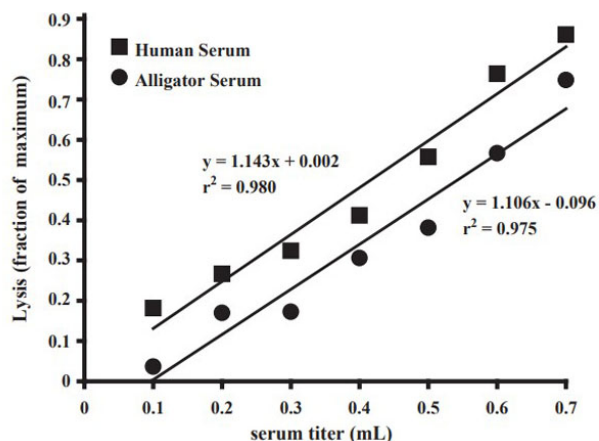
Formulation

Physical State:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Sterility:	Non-sterile
Preservative:	None
Stabilizer:	None

Shipping & Handling

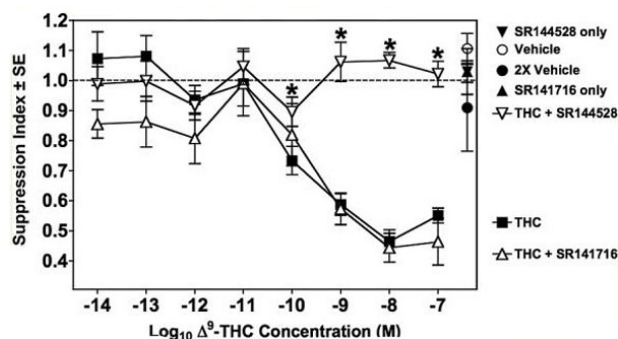
Shipping Condition:	Wet Ice
Storage Condition:	Store sheep washed pooled red blood cells at 4° C prior to opening. Be advised that blood is a perishable product and exact shelf may depend on application.
Expiration:	This product MAY be stable for up to two (2) weeks if properly stored and handled.

Images



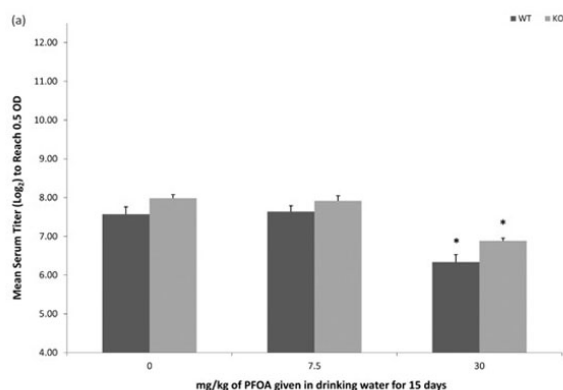
ELISA

Krogh plot: Concentration-dependent lysis of sheep red blood cells (SRBCs) [p/n R405-0050] by alligator and human serum. Serum samples were incubated with 1% SRBCs in a 1.0 mL reaction for 30 min at ambient temperature. The optical density of each sample was determined at 525 nm. The results are expressed as the percentage maximum lysis and represent the means +/- standard deviations for four determinations. Fig. 1. PMID: 15921941.



ELISA

Delta9-THC suppresses the secondary plaque-forming cell response via CB2 receptors. A dose titration of THC, with or without a CB1 or CB2 antagonist, was carried out using spleen cells in a secondary PFC assay. Each experiment was repeated 3 times, with triplicate wells for each dose. * $p < 0.05$ vs. THC alone. Values for vehicle or antagonists alone are not significantly different from 1.0. Sheep red blood cells (p/n R405-0050.) Fig. 2. PMID: 17640739.



ELISA

WT and PPARα KO mice were immunized on the 11th day of dosing (0, 7.5, or 30 mg PFOA/kg/day) by intravenous injection of 4.0×10^7 sheep red blood cells (SRBC, p/n R405-0050) in 0.2 ml of sterile saline. T-cell-dependent (TDAR) or T-cell-independent (TIAR) IgM antibody responses. Responses of mice exposed to PFOA via drinking water for 15 days, evaluated in sera collected 1 day (TDAR) or 2 days (TIAR) after exposure ended. Data represent mean $\pm$ SD. (a) The TDAR of wild-type C57BL/6-Tac (WT) or PPARα knockout (KO) B6.129S4-Ppartm1GonzN12 mice ($n = 6$ /strain/dose). The TDAR did not differ between WT or PPARα KO mice at any dose. (b) The TIAR of C57BL/6N mice ($n = 8$ /dose). *Statistical ($p < 0.05$) difference between treated group and corresponding 0 mg PFOA/kg group. Figure 3. PMID: 25594567.

References

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