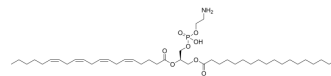


SAPE

Cat. No.:	HY-148979
CAS No.:	61216-62-4
Molecular Formula:	C ₄₃ H ₇₈ NO ₈ P
Molecular Weight:	768.06
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	SAPE (1-Stearoyl-2-arachidonoyl-sn-glycero-3-phosphorylethanolamine) is an R-Phycoerythrin (HY-D0988) labeled Streptavidin (HY-P3152) fluorescent probe. SAPE can be used for tumor detection when combined with biotin. SAPE has high sensitivity and a wide detection range ^[1] .
In Vitro	<p>SAPE is used for tumor detection^[1]</p> <ol style="list-style-type: none"> (1) Ultrasound oscillates the microspheres coupled with tumor associated diagnostic factors to capture antibodies for 20 s. (2) The microspheres were stored in the detection buffer at a final concentration of 50 microspheres/μL. Take 50 μL into the 96-well plate, then add 50 μL detection buffer and 50 μL standard as control. (3) Incubate at room temperature for 30 min at 800 rpm/min. (4) Place on the magnetic separation plate for 30-60 s, remove the supernatant and clean twice (100 μL reaction buffer each time). (5) Add 50 μL detection buffer and mix well. (6) Dilute the biotinized assay antibody with assay buffer to 4 μg/mL and add 50 μL to each well. (7) Incubate at room temperature for 30 min at 800 rpm/min. (8) Place on the magnetic separation plate for 30-60 s, remove the supernatant and clean twice (100 μL reaction buffer each time). (9) Add 50 μL detection buffer and mix well. (10) Dilute SAPE to 4 μg/mL with the detection buffer and add 50 μL to each well. (11) Incubate at room temperature for 30 min at 800 rpm/min. (12) Place on the magnetic separation plate for 30-60 s, remove the supernatant and clean twice (100 μL reaction buffer each time). (13) Add 100 μL detection buffer and mix well. (14) The fluorescence encoding signal of Luminex magnetic microspheres and the reported fluorescence signal of SAPE are excited, and then the Luminex magnetic microspheres are classified and results are detected through a highly sensitive CCD imaging device or flow cytometry device using software and specific algorithms. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Liu J Y, et al. Suspension chip system, application thereof and method for detecting tumor-associated diagnostic factor based on suspension chip system. China. CN115267165.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA