

Description	Alkaline phosphatase-conjugated streptavidin	
Product code	SAv/AP	
Biological origin	Streptomyces avidinii	
Physical form	Lyophilized, stable white powder.	
Preservative	No preservative added	
Physicochemical characteristics	Protein concentration approximately 58%	
Streptavidin activity	6.8 units/mg protein.	
Unit definition	One unit will bind 1 µg biotin.	
Alkaline phosphatase activity	944 units/mg protein	
Unit definition	One unit will hydrolyze 1.0 µmole of p-nitrophenyl phosphate per min at pH 9.8 at 37°C.	
Intended use	As a alkaline phosphatase marker for biotine conjugates. It is of critical importance always to establish by titration the optimum working dilution, since it depends on the variables of the test arrangement. Working dilutions in ELISA and comparable non-precipitating techniques are usually from 1:100 upwards.	
Directions for use	The conjugate is shipped at ambient temperature and must be stored at -20°C. Reconstitute the lyophilized product by adding 0.25 ml sterile PBS. Spin down to remove insoluble particles, divide into small aliquots, and store frozen at or below -20°C. Prior to use an aliquot is thawed at ambient temperature, spun down again, and used to prepare working dilutions by adding sterile PBS pH 7.2 containing 0.1% BSA. Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the conjugate. Dilutions should be stored at +4°C, not refrozen, and preferably used the same day.	
Packing	Vial with 250 µg lyophilized conjugate.	
Storage / shelf life	Stored dry at -20°C	5 years
	reconstituted at or below -20°C	3-5 years
	reconstituted at +4°C	14 days
Caution	This product should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. Avoid contact and inhalation. For <i>in vitro</i> research purposes only.	

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