BOSTER
antibody and ELISA experts

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Alkaline Phosphatase Conjugated Streptavidin

Basic Information

Catalog Number	BA1027
Size	0.1 mL
Concentration	1 mg/mL
Host	Egg white avidin
Conjugation	Alkaline Phosphatas
Form	Concentrated, Liquid
Tested Application	WB, IHC, ELISA
Contents	0.1 mg of Alkaline Phosphatase conjugated specific antibody; 0.05 M Tris buffer, pH 8.0, containing 1% BSA, 1 mM MgCl2, 50% glycerol, with 15 mM sodium azide as a preservative.
Specificity	This Alkaline Phosphatase conjugated antibody is specific for Strept Avidin.

Suggested Working Concentration

Western blot: 0.7-3.3 μg/mL

Immunohistochemistry: 2-10 μg/mL

ELISA: 0.03-0.2 μg/mL

Optimal working dilutions must be determined by end users.

Application Notes

Dilute with neutral TBS.

Storage

At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.

Product Description

Streptavidin is a 47KD protein that extracted from streptomyces. Just like avidin, streptavidin has very high affinity to biotin molecule, one million times than the common affinity between antigen and antibody. Avidin is a alkalic protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction. Isoelectric point of the streptavidin is near to neutrality, IP=6.0~6.5. Thus, streptavidin has very low non-specific absorption to tissue and cell. On the basis of streptavidin, the background of immunohistochemistry analysis is extremely low. With the method of polymeric labeling, streptavidin-peroxidase can form a complex which composed by about one hundred peroxidase and fifty streptavidin. And lots of enzymes can ensure the streptavidin-peroxidase with high sensitivity.