

Datasheet for 200-1135-0100**Alkaline Phosphatase Antibody****Overview**

Description:	Anti-Alkaline Phosphatase (Calf Intestine) (GOAT) Antibody - 200-1135-0100
Item No.:	200-1135-0100
Size:	100 µg
Applications:	Other
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney). Alkaline Phosphatase catalytic activity is phosphate monoester + H ₂ O = an alcohol + phosphate.
Synonyms:	goat anti-Alkaline Phosphatase Antibody, Alkaline phosphomonoesterase antibody, ALPI antibody, Glycerophosphatase antibody, IAP antibody, Intestinal alkaline phosphatase antibody, Kasahara isozyme antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ALP1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Alkaline Phosphatase [Calf Intestine]

Purity/Specificity: Anti-ALKALINE PHOSPHATASE is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Alkaline Phosphatase [Calf Intestine]. Cross reactivity against Alkaline Phosphatase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P19111](#)
- [GeneID - 280993](#)

Application Details

Suggested Applications: Other (Based on references)

Application Note: Anti-Alkaline Phosphatase has been assayed against 1.0 ug of Alkaline Phosphatase [Calf intestine] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:4,000 - 1:20,000

WB: 1:500 - 1:2,000

Formulation

Physical State: Lyophilized

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: None

Reconstitution Volume: 100 μ L

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

References

- Teoh JJ et al. BIG1 is required for the survival of deep layer neurons, neuronal polarity, and the formation of axonal tracts between the thalamus and neocortex in developing brain. *PLoS One*. (2017)

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