

**Datasheet for 200-1335****Alkaline Phosphatase Antibody HRP Conjugated****Overview**

<b>Description:</b>	Anti-Alkaline Phosphatase (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-1335
<b>Item No.:</b>	200-1335
<b>Size:</b>	20 mg
<b>Applications:</b>	Dot Blot
<b>Reactivity:</b>	Bovine
<b>Host Species:</b>	Goat

**Product Details**

<b>Background:</b>	Alkaline Phosphatase is present in all tissues throughout the entire body, but is particularly concentrated in liver, bile duct, kidney, bone, and the placenta. Humans and most other mammals contain the following alkaline phosphatase isozymes: ALPI – intestinal, ALPL – tissue non-specific (liver/bone/kidney), ALPP – placental (Regan isozyme). Elevated ALP indicates that there could be active bone formation occurring as ALP is a byproduct of osteoblast activity (such as the case in Paget's disease of bone). Levels are also elevated in people with untreated Coeliac Disease. All mammalian alkaline phosphatase isoenzymes except placental (PALP and SEAP) are inhibited by homoarginine, and, in similar manner, all except the intestinal and placental ones are blocked by levamisole. Heating for ~2 hours at 65°C inactivated most isoenzymes except Placental isoforms (PALP and SEAP).
<b>Synonyms:</b>	goat anti-Alkaline Phosphatase Antibody HRP Conjugation, Peroxidase Conjugation goat anti-Alkaline Phosphatase Antibody, Alkaline phosphomonoesterase antibody, ALPI antibody, Glycerophosphatase antibody, IAP antibody, Intestinal alkaline phosphatase antibody, Kasahara isozyme antibody
<b>Host Species:</b>	Goat
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	ALP1
<b>Reactivity:</b>	Bovine
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Alkaline Phosphatase [Calf Intestine]
<b>Purity/Specificity:</b>	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-Peroxidase, 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.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P19111</a></li><li>• <a href="#">NCBI - P19111.2</a></li><li>• <a href="#">GeneID - 280993</a></li></ul>

## Application Details

<b>Tested Applications:</b>	Dot Blot
<b>Application Note:</b>	Anti-Alkaline Phosphatase peroxidase has been tested by dot blot and is functional in ELISA, Western blot, and Immunohistochemical assays. Optimization should be reached by researcher.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000 - 1:50,000
<b>IHC:</b>	User Optimized
<b>WB:</b>	1:1,000 - 1:5,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	10.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	2.0 mL

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

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## Shipping & Handling

**Shipping Condition:** Ambient

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**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.

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

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## Disclaimer

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