

## Product Specification Sheet

**Product:** IgG fraction of anti-Carboxypeptidase Y [Baker's Yeast] [Rabbit]

**Code:** 200-401-135

**Lot #** 12142

**Size:** 50 mg

**Physical State:** Lyophilized

**Antibody Concentration:** 10.0 mg/ml (by UV absorbance at 280 nm)

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

**Stabilizer:** None

**Preservative:** 0.01% (w/v) Sodium Azide

**Application(s):** Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

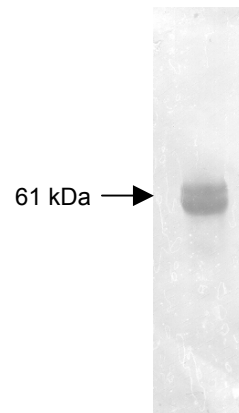
**Recommended Dilution(s):** This product has been assayed against 1.0  $\mu$ g of Carboxypeptidase Y [Baker's Yeast] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:42,000 is suggested for this product. Optimal titers for other applications should be determined by the researcher.

**Storage Conditions:** Store vial at 4° C prior to restoration. Restore with 5.0 ml of deionized water (or equivalent). 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. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of restoration.

**Purity and Specificity:** This product 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-Rabbit Serum as well as purified and partially purified Carboxypeptidase Y [Baker's Yeast]. Cross reactivity against Carboxypeptidase Y from other tissues and species may occur but have not been specifically determined.

**Immunogen:** Carboxypeptidase Y [Baker's Yeast]

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.



Both the antiserum and IgG fractions of anti-Carboxypeptidase Y (Baker's Yeast) are shown to detect under reducing conditions of SDS-PAGE the 61,000 dalton enzyme in cellular extracts. Approximately 10  $\mu$ g of total protein is loaded per lane. A 1:5,000 dilution of the primary antibody is used followed by detection using HRP Goat-a-Rabbit IgG [H&L] (611-1302) diluted 1:4,000 and color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.