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Product Specification Sheet

Product: IgG Fraction of Anti-Human BMI-1 (B lymphoma Mo-MLV insertion region) [Goat]

Code: 200-101-392

Lot #: 13934

Size: 500 µg

Physical State: Lyophilized

Antibody Concentration: 5.0 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

Storage Conditions: Store vial at 4° C prior to opening. Restore with 0.1 ml of deionized water or equivalent. 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.

Application Note(s): This purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.

Recommended Dilutions: This product has been assayed by ELISA against 0.1 µg of the immunizing peptide. A 1:10,000 dilution of the antibody was noted against the peptide.

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.

Immunogen: This purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding aa 252-264 of Human BMI-1 (B lymphoma Mo-MLV insertion region). The Bmi-1 oncogene induces telomerase activity and immortalizes human mammary epithelial cells. Bmi-1 extends the replicative life span of human fibroblasts by suppressing the p16-dependent senescence pathway. Swiss Prot accession number P35226. Locus Link ID 648. Shows 100% identity with mouse sequence.

Peptide sequence: C-D-S-G-S-D-K-A-N-S-P-A-G-G

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

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.