

Datasheet for 200-301-P34**Cytokeratin Peptide 7 Antibody****Overview**

Description:	Anti-Cytokeratin Peptide 7 (MOUSE) Antibody - 200-301-P34
Item No.:	200-301-P34
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	KRT7 is a type II keratin of simple nonkeratinizing epithelia. The deduced 489-amino acid protein has a calculated molecular mass of about 54 kD. K7 contains 4 central alpha-helical segments with heptad repeats of hydrophobic residues characteristic of a coiled-coil region. Within this domain, K7 shares 73% homology with epidermal K6B. KRT7 gene contains 9 exons and spans more than 15.6 kb. K7 gene is mapped to chromosome 12. Keratin 7 is expressed in a wide range of epithelial structures in humans. This antibody is suitable for researchers interested in cancer research, cardiovascular diseases, and cytoskeletal signaling research.
Synonyms:	SCL, cytokeratin 7, K2C7, K7, keratin, Keratin-7, 55K type II cytoskeletal, keratin, type II cytoskeletal 7, sarcolectin, , KERATIN, SIMPLE EPITHELIAL, KERATIN, TYPE II, CYTOSKELETAL, 7, SARCOLECTIN, Type-II keratin Kb7
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	LDS-68
Format:	IgG1

Target Details

Gene Name:	KRT7
Reactivity:	Human
Immunogen Type:	Other

Immunogen:	Cytokeratin Peptide 7 antibody was produced in mice by repeated immunizations with cytoskeletal preparation of the RT4 human bladder carcinoma cell line.
Purity/Specificity:	Anti-Cytokeratin Peptide 7 antibody was purified from mouse ascites by protein A chromatography. This product reacts with human. Cross reactivity with Cytokeratin Peptide 7 from other sources has not been determined.
Relevant Links:	• UniProtKB - P08729 • GeneID - 3855 • NCBI - NP_005547.3

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Cytokeratin Peptide 7 is tested for Immunohistochemistry-P, Immunohistochemistry-F, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~51 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IHC:	1:100-1:500
WB:	1-2ug/ml

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Neutral PBS

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.

Disclaimer

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. 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. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.