

Product Datasheet

Cytokeratin 14 Antibody (KRT14/532) [CoraFluor™ 1] NBP2-47720CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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NBP2-47720CL1

Cytokeratin 14 Antibody (KRT14/532) [CoraFluor™ 1]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	KRT14/532
Preservative	No Preservative
Isotype	IgG3 Kappa
Conjugate	CoraFluor 1
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Description	CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.
Host	Mouse
Gene ID	3861
Gene Symbol	KRT14
Species	Human, Mouse, Rat
Marker	Squamous Cell Marker
Specificity/Sensitivity	Cytokeratin 14 (CK14) belongs to the type I (or A or acidic) subfamily of low molecular weight keratins and exists in combination with keratin 5 (type II or B or basic). CK14 is found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells. Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Anti-CK14 is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.
Immunogen	Recombinant full-length human Cytokeratin 14 protein (Uniprot: P02533)
Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254

Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-47720CL1

NBP1-72467-100ug	Recombinant Human Cytokeratin 14 His Protein
1129-ER-050	ErbB2/Her2 [Unconjugated]
NBP3-39675	Human Cytokeratin 14 ELISA Kit (Colorimetric)
NB100-355	RPE65 Antibody (401.8B11.3D9) - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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