BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Cytokeratin 19 KRT19 Antibody Picoband® (monoclonal, 3D4) Fluoro647 Conjugated

Catalog Number: M02101-2-Fluoro647

About KRT19

Keratin, type I cytoskeletal 19 is a protein that in humans is encoded by the KRT19 gene. The protein encoded by this gene is a member of the keratin family. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. Due to its high sensitivity, KRT19 is the most used marker for the RT-PCR-mediated detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. Keratin 19 is often used together with keratin 8 and keratin 18 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood.

Overview

Product Name	Anti-Cytokeratin 19 KRT19 Antibody Picoband® (monoclonal, 3D4) Fluoro647 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Monoclonal 3D4
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	P08727

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytokeratin 19, different from the related mouse and rat sequences by nine amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

	Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

5 Publications Citing This Product

1. PubMed ID: 29494688, Wang W, Said A, Wang B, Qu G, Xu Q, Liu B, Shen Z. PLoS One. 2018 Mar 1;13(3):e0193876. doi: 10.1371/journal.pone.0193876. eCollection 2018. Establishment and evaluation of the goose embryo epithelial (GEE) cell line as a new model for propagation...

2. PubMed ID: 28656299, Quan, J., Du, Q., Hou, Y., Wang, Z., & Zhang, J. (2017). Utilization of E-cadherin by monocytes from tumour cells plays key roles in the progression of bone invasion by oral squamous cell carcinoma. Oncology Reports, 38(2), 850-858. Advance online...

3. PubMed ID: 24963492, Li M, Zhang B, Zhang Z, Liu X, Qi X, Zhao J, Jiang Y, Zhai H, Ji Y, Luo D. Biomed Res Int. 2014;2014:981261. Doi: 10.1155/2014/981261. Epub 2014 May 22. Stem Cell-Like Circulating Tumor Cells Indicate Poor Prognosis In Gastric Cancer.

Visit bosterbio.com/anti-cytokeratin-19-picoband-trade-antibody-m02101-2-boster.html to see all 5 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Anti-Cytokeratin 19 KRT19 Antibody (monoclonal, 3D4) - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.