Datasheet for ABIN678495

anti-Cytokeratin 1 antibody (AA 101-200) (FITC)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	Cytokeratin 1 (KRT1)
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 1 antibody is conjugated to FITC
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Cytokeratin 19.
Isotype:	IgG
Cross-Reactivity:	Horse, Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Cytokeratin 1 (KRT1)
Alternative Name:	Cytokeratin (KRT1 Products)

Target Details

Background:	Synonyms: CK, pan-Cytokeratin, Keratin, type I cytoskeletal 19, Cytokeratin-19, CK19, Keratin-19, K19, Krt19, Krt1-19 Background: Cytokeratins, a group comprising at least 29 different proteins, are characteristic of epithelial and trichocytic cells. Cytokeratins 1, 4, 5, 6, and 8 are members of the type II neutral to basic subfamily. Antibody to cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Anti Pan Cytokeratin (mixture) is a broadly reactive reagent, which recognizes epitopes present in most human epithelial tissues. It facilitates typing of normal, metaplastic and neoplastic cells. Synergy between the various components results in staining amplification. This enables identification of cells, which would otherwise be stained only marginally. The mixture may aid in the discrimination of carcinomas and nonepithelial tumors such as sarcomas, lymphomas and neural tumors. It is also useful in detecting micrometastases in lymph nodes, bone marrow and other tissues and for determining the origin of poorly differentiated tumors. There are two types of cytokeratins the acidic type I cytokeratins and the basic or neutral type II cytokeratins. Cytokeratins are usually found in pairs comprising a type I cytokeratin and a type II cytokeratin. Usually the type II cytokeratins are 8kD larger than their type I counterparts.
Gene ID:	16669
UniProt:	P19001

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

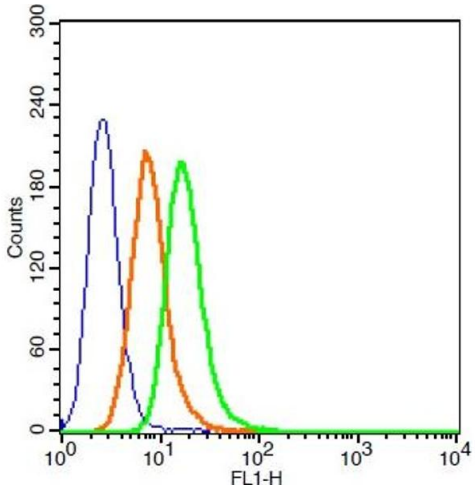
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Flow Cytometry

Image 1. MCF-7 cells probed with pan-Cytokeratin Polyclonal Antibody, FITC Conjugated (bs-2190R-FITC) at 1:100 for 30 minutes compared to control cells (blue) and isotype control (orange).