


APC Anti-pan Cytokeratin antibody [C-11] ab106166

[4 References](#) [1 Image](#)

Overview

Product name	APC Anti-pan Cytokeratin antibody [C-11]
Description	APC Mouse monoclonal [C-11] to pan Cytokeratin
Host species	Mouse
Conjugation	APC. Ex: 645nm, Em: 660nm
Specificity	ab106166 reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18.
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human Predicted to work with: Mammals 
Immunogen	Tissue, cells or virus corresponding to Human pan Cytokeratin.
Positive control	Flow Cyt: HeLa cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.098% Sodium azide Constituents: 0.2% BSA, 99% PBS
Purity	Size exclusion
Clonality	Monoclonal
Clone number	C-11
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab106166 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use a concentration of 1 µg/ml.

Target

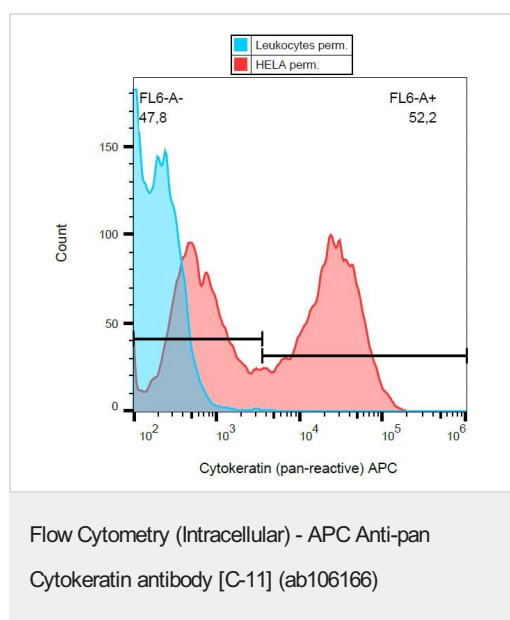
Relevance

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. Monoclonal anti cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Monoclonal Anti Pan Cytokeratin 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.

Cellular localization

Cytoplasmic

Images



Flow cytometry analysis (intracellular staining) of cytokeratin expression in HeLa cells using ab106166

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