

PE Anti-pan Cytokeratin antibody [C-11] ab52460

★★★★★ [2 Abreviews](#) [18 References](#) [1 Image](#)

Overview

Product name	PE Anti-pan Cytokeratin antibody [C-11]
Description	PE Mouse monoclonal [C-11] to pan Cytokeratin
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab52460 recognises Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18.
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human pan Cytokeratin. Keratin-enriched preparation from human epidermoid carcinoma cell line A431
Positive control	Flow Cyt (Intra): HT-29 cells
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 0.2% BSA, PBS</p>
Purity	Protein A purified
Purification notes	Prior to conjugation, this antibody was purified by Protein A affinity chromatography. The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography. Purity >95% by SDS-PAGE.
Clonality	Monoclonal

Clone number	C-11
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab52460 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

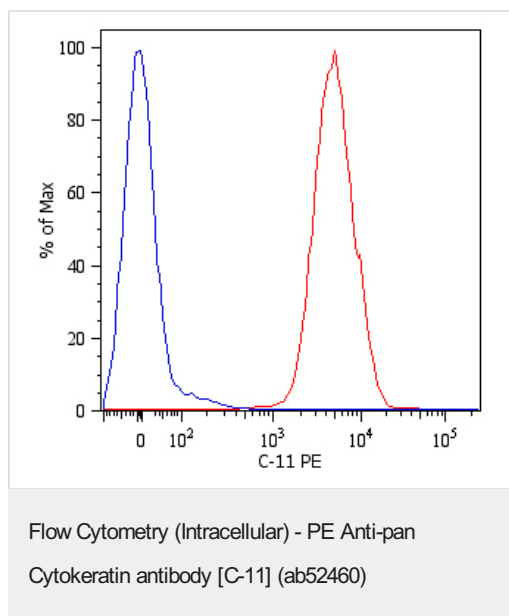
Application	Abreviews	Notes
Flow Cyt (Intra)		Use a concentration of 1 µg/ml. ab91357 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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



Intracellular Flow Cytometry analysis of cytokeratin expression in HT-29 human Caucasian colon adenocarcinoma cell line using ab52460.

Recommended conc. 0.5 µg/ml

Overlay with Isotype mouse IgG1 control.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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