



Anti-Cytokeratin 10 monoclonal antibody, clone EF-L11 (DMAB6986)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to human Cytokeratin 10 (56.5 kD).
Specificity	This antibody recognizes a 56.5 kD protein identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the skin. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. CK10 is frequently detected in vulvar squamous carcinomas larger than 2 cm and clinical stages II and III. CK10 expression is also related to maturation of malignant keratinocytes.
Immunogen	Cytoskeletal preparation extracted from human ectocervical epithelium.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	EF-L11
Conjugate	Unconjugated
Applications	IHC
Cellular Localization	Cytoplasm
Positive Control	Skin
Format	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Preservative	None

Storage	2-8° Centigrade. Product is stable for 24 months from date of manufacture. If reagent is not stored as recommended, performance must be validated by the user.
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BACKGROUND

Introduction	Cytokeratins are proteins of keratin-containing intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. The term "cytokeratin" began to be used in the late 1970s (for example, see "Intermediate-sized filaments of human endothelial cells" by Franke, Schmid, Osborn and Weber) when the protein subunits of keratin intermediate filaments inside cells were first being identified and characterized. In 2006 a new systematic nomenclature for keratins was created and now the proteins previously called "cytokeratins" are simply called keratins. Over 25,000 published articles exist in the biomedical research literature that used the term "cytokeratin".
Keywords	BCIE; BIE; CK10; CK-10; cytokeratin 10; Cytokeratin-10; EHK; epidermolytic hyperkeratosis; K10; keratin 10; keratin, type I cytoskeletal 10; keratin-10; Keratin-10; keratosis palmaris et plantaris; KPP; KRT10; OTTHUMP00000165049.

GENE INFORMATION

Entrez Gene ID	3858
UniProt ID	P13645