



# Anti-KRT3 monoclonal antibody, clone BF4 (DMAB5347MH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse anti-human cytokeratin 3 monoclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
<b>Antigen Description</b>	Type II keratins (or Type II cytokeratins) constitutes the Type II intermediate filaments (IFs) of the intracytoplasmatic cytoskeleton, which is present in all mammalian epithelial cells. The type 2 cytokeratins consist of basic or neutral, high molecular weight proteins which in vivo are arranged in pairs of heterotypic Type I and Type II keratin chains, coexpressed during differentiation of simple and stratified epithelial tissues.
<b>Specificity</b>	This antibody recognizes most of the basic (Type II) keratins. It recognizes keratin polypeptides of 58 and 65 to 67 kD. In keratinized epidermis, 58 kD keratin is present in the basal and suprabasal layers, while 65 to 67 kD keratin is present in the cells above the basal layers. This antibody can be used to stain different cell layers in epithelial tissue and various neoplasms of epithelial origin.
<b>Immunogen</b>	BALB/C mice were immunized with human epidermal keratin.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	BF4
<b>Conjugate</b>	Unconjugated

<b>Applications</b>	IHC
<b>Cellular Localization</b>	Cytoplasm
<b>Positive Control</b>	Skin
<b>Format</b>	This antibody is supplied as purified IgG fraction harvested from ascites and contains sodium azide as a preservative.
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KRT3 keratin 3 [ Homo sapiens ]</a>
<b>Synonyms</b>	KRT3; keratin 3; K3; CK3; Type-II keratin Kb3; 65 kDa cytokeratin; CK-3; FLJ95909; cytokeratin-3; keratin, type II cytoskeletal 3; Cytokeratin-3; Keratin-3
<b>Entrez Gene ID</b>	<a href="#">3850</a>
<b>Protein Refseq</b>	<a href="#">NP_476429</a>
<b>UniProt ID</b>	<a href="#">P12035</a>
<b>Chromosome Location</b>	12q13.13
<b>Function</b>	structural molecule activity