BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cytokeratin 10 (Suprabasal Epithelial Marker) Monoclonal Antibody

Catalog Number: M02305

About KRT10

This monoclonal antibody recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. 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. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

Overview

Product Name	Anti-Cytokeratin 10 (Suprabasal Epithelial Marker) Monoclonal Antibody
Reactive Species	Dog, Human, Cat
Description	Boster Bio Anti-Cytokeratin 10 (Suprabasal Epithelial Marker) Monoclonal Antibody (Catalog # M02305). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Dog, Cat.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM623
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P13645

Technical Details

Immunogen	Cytoskeletal preparation extracted from human ectocervical epithelium
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

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Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (0.5-1ug/million cells in 0.1ml) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

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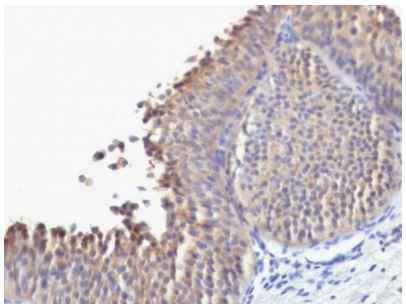
Anti-Cytokeratin 10 (Suprabasal Epithelial Marker) Monoclonal Antibody (M02305) Images



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Anti-Cytokeratin 10 Monoclonal Antibody (SPM623).