

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-11060: Monoclonal Antibody to Cytokeratin 8/18(Clone: B22.1/B23.1)

Clone Name: Monoclonal

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Application: FACS,IF,WB,IHC

Reactivity: Human
Gene: KRT8
Gene ID: 3856
Uniprot ID: P05787
Format: Purified
Alternative Name: KRT8,CYK8

Isotype: Mouse IgG1, kappa + Mouse IgG1, kappa

Immunogen Information: Cytoskeletal preparation from HeLa epitheliod carcinoma cells (B22.1) and PMC-42 breast

carcinoma cells of human origin (B23.1)

Description

Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This MAb cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immunohistochemical staining with this MAb is indistinguishable from that obtained with monoclonal antibody 5D3.

Product Info

Amount: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

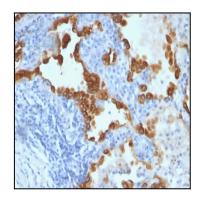
Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/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°C followed by cooling at RT for 20 minutes);



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Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (B22.1 \pm B23.1).