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)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | B22.1/B23.1 |
| **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

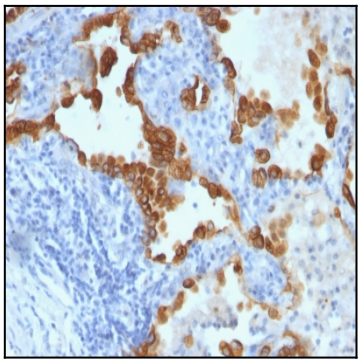
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|---|---|
| **Amount :** | 100 µg |
| **Purification :** | Affinity Chromatography |
| **Content :** | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| **Storage condition :** | Store the antibody 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&degC 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 + B23.1).

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