



Anti-Cytokeratin (CK3-3E4) pure human

Order no.

130-090-865

Contents

1. Description

- 1.1 Background information
- 1.2 Applications

1. Description

Components	1 mL Anti-Cytokeratin (CK3-3E4) antibody, human: monoclonal Anti-Cytokeratin antibody. The unconjugated (pure) antibody is supplied at a concentration of 100 µg/mL.
Clone	CK3-3E4 (isotype: mouse IgG2a).
Product format	The antibody is supplied in buffer containing stabilizer and 0.05% sodium azide.
Storage	Store at 2–8 °C. Do not freeze. The expiration date is indicated on the vial label.

1.1 Background information

Cytokeratins are typical intermediate filaments of the cytoskeleton of epithelial cells. They are a biochemically highly diverse multigene family of polypeptides with molecular masses ranging from 40 to 68 kDa. Until now 20 distinct cytokeratin polypeptides have been described, which can be divided into an acidic (type I) and a neutral-basic (type II) subfamily. The cytokeratin expression profile within one cell characterizes the type of epithelia and also the degree of maturation or differentiation. Most malignant cells which have their origin in epithelial tissue express a certain cytokeratin profile, which can be used for classifying carcinomas and for distinguishing carcinomas from malignant tumors of non-epithelial origin. Anti-Cytokeratin (CK3-3E4) binds specifically to cytokeratin 8. It almost completely crossblocks A45-B/B3, an antibody known to recognize cytokeratin heterodimers 8/18 and 8/19.

1.2 Applications

- Anti-Cytokeratin (CK3-3E4) is suitable for immunohistochemistry and Western blotting. It is used for intracellular staining of epithelial tissue and detection of epithelium-derived tumor cells in non-epithelial tissues or cell samples.

All protocols and data sheets are available at www.miltenyibiotec.com.

Warnings

Reagents contain sodium azide. Under acidic conditions sodium azide yields hydrazoic acid, which is extremely toxic. Azide compounds should be diluted with running water before discarding. These precautions are recommended to avoid deposits in plumbing where explosive conditions may develop.

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