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Recombinant Human Cytokeratin 19 (CK 19, K19)

CLPRO350
CLPRO350-2
Lot:

Description: Recombinant human cytokeratin 19 produced in *E. Coli* is a single, non-glycosylated polypeptide chain having a molecular mass of 44, 098 Dalton.

Presentation: 5 µg (**CLPRO350**) or 20 µg (**CLPRO350-2**) was lyophilized from sterile solution (1 mg/ml) containing 30mM Tris-HCl pH 8, 9.5M Urea, 2mM EDTA and 10mM methylammonium chloride. Endotoxin is less than 0.1 ng/µg (IEU/µg).

Purity: Greater than 95.0% as determined by RP-HPLC, Anion exchange FPLC and reducing and non-reducing SDS-PAGE Silver Stained gel. Recombinant cytokeratin 19 was purified by proprietary chromatographic techniques.

Reconstitution: It is recommended to reconstitute the lyophilized Cytokeratin 19 in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability: Lyophilized Cytokeratin 19 (although stable at room temperature for 3 weeks) should be stored desiccated below -18°C. Upon reconstitution, Cytokeratin 19 should be stored at 4°C for up to 7 days or below -18°C for long term. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid freeze-thaw cycles.**

References:

1. Ann Allergy Asthma Immunol. 2004, Sep. 93(3):293-8
2. J. Zhejiang Univ. Sci. 2004, Oct. 5(10):1286-9
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4. Int. J. Cancer. 2004, Sep. 20. 111(5): 795-7
5. Zhonghua. Gan. Zang. Bing. Za. Zhi. 2004, Jun. 12(6): 341-2
6. Lab. Invest. 2004. May: 84(5): 658-61.

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TN 06/29/05

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