

## Product Data Sheet

---

Product Name: Anti-Human/Mouse EGFR Antibody (7A7)

Cat. No.: GC79454

### Chemical Properties

Cas. No.

Formula M.Wt 145.56

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Anti-Human/Mouse EGFR Antibody (7A7)

### Background

Anti-Human/Mouse EGFR Antibody (7A7) is an anti-mouse EGFR monoclonal antibody proposed to be the mouse equivalent of cetuximab. Anti-Human/Mouse EGFR Antibody (7A7) fails to induce

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

## Product Data Sheet

---

tumor regression in the HPV38 tumor model where EGFR is not expressed in mice. Anti-Human/Mouse EGFR Antibody (7A7) can be used in EGFR -expressing HPV38 tumor-related studies [1].

In Vivo, 7A7 (56 µg; i.v.; every three days) does not reduce tumour growth or improve survival in C57BL/6 mice bearing subcutaneous TC-1 squamous cell carcinoma tumours<sup>[1]</sup>.

In Vitro, 7A7 (60 mins at room temperature) exhibits non-specific intracellular and plasma membrane staining in EGFR-positive A431, 3T3-L1, and HPV38 cells, and EGFR-negative TC-1 cells, indicating it does not specifically detect native EGFR via immunofluorescence<sup>[1]</sup>.

### References:

[1]. He X, et al. Characterization of 7A7, an anti-mouse EGFR monoclonal antibody proposed to be the mouse equivalent of cetuximab. *Oncotarget*. 2018 Jan 13;9(15):12250-12260.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: [tech@glpbio.com](mailto:tech@glpbio.com)

Address: 10292 Central Ave. #205, Montclair, CA, USA