

# anti-glutamate carboxypeptidase (GCPII) iBody small molecule (tool compound)

**Catalogue number:** 157994

**Sub-type:** Marker

**Images:**

## Contributor

**Inventor:** Jan Konvalinka ; Jiri Schimer ; Tomas Knedlik ; Jan Tykvart ; Frantisek Sedlak ; Pavel Majer ; Vaclav Navratil ; Petr Cigler ; Vladimir Subr ; Karel Ulbich ; Jiri Stroham ; Pavel Sacha

**Institute:** Institute of Organic Chemistry and Biochemistry ; Institute of Macromolecular Chemistry ; Charles University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** anti-glutamate carboxypeptidase (GCPII) iBody small molecule (tool compound)

**Alternate name:** Glutamate Carboxypeptidase II, N-acetyl-L-aspartyl-L-glutamate peptidase I (NAALADase I), NAAG peptidase, prostate-specific membrane antigen (PSMA)

**Class:**

**Conjugate:**

**Description:** An enzyme that in humans is encoded by FOLH1 (folate hydrolase 1). - iBodiesŽ are capable of replacing antibodies in biomedical applications such as ELISA, flow cytometry, confocal microscopy, immunocytochemistry, Western Blot and immunoprecipitation. - These iBodiesŽ consist of an N-(2-hydroxypropyl)methacrylamide (HPMA) copolymer decorated with low-molecular-weight compounds that function as targeting ligand (e.g., enzyme inhibitors, receptor ligands), affinity anchor (e.g., biotin) and/o...

**Purpose:** Marker

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** HPMA conjugate characteristics: MW: 148 800g/mol #Biotins/molecule: 38  
Fluorochrome name: ATTO488 #Fluorochrome/molecule: 7 iBodies(R) is a registered trade mark of IOCB Tech s.r.o.

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry Ice

## Related tools

**Related tools:** anti-fibroblast activation protein (FAP) iBody small molecule (tool compound) ; anti-GST tag iBody small molecule (tool compound) ; anti- HIV-1 protease iBody small molecule (tool compound) ; Negative control iBody (ATTO488) ; anti-his tag iBody small molecule (tool compound) ; anti-carbonic anhydrase IX (CA-IX) iBody small molecule (tool compound) ; anti-neuraminidase iBody small molecule (tool compound)

## References

**References:** ? imon et al. 2018. ACS Chem Biol. 13(12):3333-3342. PMID: 30489064. ; Dvo?™??kov?? et al. 2017. J Med Chem. 60(20):8385-8393. PMID: 28953383. ; ? ??cha et al. 2016. Angew Chem Int Ed Engl. 55(7):2356-60. PMID: 26749427.

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