

Anti-Polyethylene Glycol [E11] Standard Size Ab00116-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: E11

Alternative Name(s) of Target: PEG; PEG-derivatized molecules

UniProt Accession Number of Target Protein:

Published Application(s): WB, ELISA, FC

Published Species Reactivity: n/a

Immunogen: Conjugate of an antibody and PEG-modified E. coli β -glucuronidase.

Specificity: This antibody binds to the repeating subunits of the PEG backbone. The minimum PEG size that can be bound is ~ 2000 Da. Effective binding is greatly enhanced in PEG conjugates (i.e. PEG-protein, PEG-liposome, PEG-cell, PEG-nanoparticle conjugates).

Application Notes: This antibody can detect free PEG and PEG-modified proteins by ELISA, immunoblotting, and flow cytometry.

Antibody First Published in: Cheng TL, Cheng CM, Chen BM, Tsao DA, Chuang KH, Hsiao SW, Lin YH, Roffler SR. Monoclonal antibody-based quantitation of poly(ethylene glycol)-derivatized proteins, liposomes, and nanoparticles. Bioconjug Chem. 2005 Sep-Oct;16(5):1225-31. [PMID:16173802](#)

Note on publication: Describes the making of the IgG1 monoclonal antibody (E11), shows it recognised poly(ethylene glycol) (PEG) or PEG-derivatized molecules using ELISA, immunoblotting and flow cytometry.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.