

## Anti-PEG Antibody (Clone 09F02)

**ALTERNATE NAMES:** Polyethylene Glycol

**CATALOG #:** 5018-100

**AMOUNT:** 100 µg

**HOST:** Mouse

**ISOTYPE:** IgG3 κ

**IMMUNOGEN:** PEG-KLH

**PURIFICATION:** Protein A chromatography from *in vitro* production

**FORMULATION:** 1 mg/ml in 0.1 M Sodium Acetate/0.15 M NaCl, pH 5.0

**pl:** > 7.8

**SPECIES REACTIVITY:** All. It reacts with PEGylated proteins such as PEG-GCSF, PEG-Erythropoietin, and PEG-Interferon, but does not react to unmodified form of the same proteins.

**STORAGE CONDITIONS:** Store at -20 to -80°C; avoid repeat freeze-thaw cycles

**DESCRIPTION:**

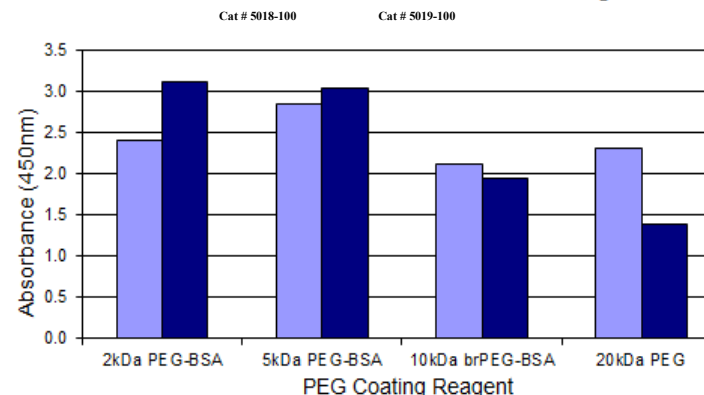
Polyethylene Glycol (PEG) is a polymer of ethylene oxide available in size variants from 400 Da to 40 kDa. It is nonionic, nontoxic, biocompatible, strong, hydrophilic and has a large exclusion volume in aqueous solution. PEG has a number of industrial and biomedical applications. The modification of a biopharmaceutical with PEG increases its hydrodynamic radius, reduces immunogenicity and proteolytic cleavage. In particular, therapeutic proteins are conjugated with PEG to slow down their clearance from circulation and improve bioavailability. PEG antibodies can be a vital tool for propelling therapeutics to market by serving as a positive control anti-drug antibody, measuring clearance of a drug, or simply as a QA release confirming PEGylation.

**SPECIFICITY:** Reacts with all PEGylated proteins.

**APPLICATION:** ELISA, Serves as Positive Control for Drug Detection Assays.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user

Indirect ELISA with Panel of PEGylated Reagents



An Indirect ELISA was run against a panel of three PEG conjugates and one unconjugated PEG (20 kDa). The PEG reagents were coated at 5 µg/ml and the antibodies were run at 2 µg/ml. The data shows that both Cat # 5018-100 and 5019-100 bind specifically to PEG in this application. Previous work also demonstrated that these antibodies are specific for the linear backbone of PEG and do not bind to the methoxy group.

**RELATED PRODUCTS:**

- Anti-PEG Antibody (Clone 24M1) (Cat. No. 5009-100)
- Anti-PEG Antibody - Rat (Clone 26A04) (Cat. No. 5019-100)
- PEG Virus Precipitation Kit (Cat. No. K904-50, -200)
- CBP-Tag Antibody (Cat. No. 3960-100)
- DYKDDDDK-Tag Antibody (Clone IE6) (Cat. No. 3022-100)
- DYKDDDDK-Tag Antibody (Cat. No. 3989-100)
- GST-Tag Antibody (Cat. No. 3997-100)
- HA-Tag Antibody (Clone 12CA5 [2]) (Cat. No. 3996-100)
- His-Tag Antibody (Cat. No. 3998-100)
- His-Tag Antibody (Clone BV-G020) (Cat. No. 3646-100)
- Myc-Tag Antibody (Cat. No. 3995-100)
- S-Tag Antibody (Cat. No. 3990-100)
- SBP-Tag Antibody (Cat. No. 3986-100)
- Strep-Tag Antibody (Cat. No. 3988-100)
- T7 Epitope-Tag Antibody (Cat. No. 3987-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

