CREATIVE BIOMART®
Assay Kit

Antibody/Protein Aggregation Assay Kit

Product Information

Cat

Kit-1088

Cat.No.

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Description

Antibody and protein aggregation are important issues in the field of Biotherapeutics. A wide range of conditions and different stages of processing of biopharmaceuticals, such as, formulation, purification, storage, shipping and handling, heat, freeze thaw cycles, mechanical stress, chemical trea;ent etc. might cause aggregation of proteins, enzymes and antibody targets. The possibility of protein aggregates in eliciting immunogenicity is a major concern for biotherapeutics, which might compromise the safety and efficacy of the biologically derived drug products. Recombinant protein production and storage would highly benefit from a high throughput screening method that can screen a variety of formulation and storage conditions of a particular target proteintibody. Currently, different biophysical techniques such as Dynamic Light Scattering (DLS), Size-exclusion Chromatography with Multi-angle Light Scattering (SEC-MALS) can detect the presence of small amount of aggregates in a proteintibody preparation, but they are not amenable for high-throughput screening format. Antibody/Protein Aggregation assay kit is a platform to estimate the extent of aggregation within a proteintibody sample. This is a fast, high-throughput, plate-based fluorometric assay format and can detect as low as 0.5% antibody aggregate.

Applications

Measurement of protein aggregation for protein formulation

Storage

-20°C

Shipping

Gel Pack

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Assay Kit

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Size
100 assays
Kit Components
Aggregation Assay Buffer; Antibody aggregate standard (0%); Antibody aggregate standard (10%); Aggregation Assay Probe
Detection method Detection method- Fluorescence (Ex/Em = 440/500 nm)
Features & Benefits
Simple one-step procedure; takes less than one hour; High-throughput compatible; The entire assay can be performed directly in a 96-well plate and does not require washing/long incubation times or solubilization steps

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