

Antibody/Protein Aggregation Assay Kit

Product Information

Cat

Kit-1088

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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 treatment 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

Antibody/Protein Aggregation Assay Kit

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