

## Antibody Expression Enhancer for Suspension Cells

**CATALOG NO:** ABEH01

### DESCRIPTION

Antibody Expression Enhancer (ABEH) is designed to enhance cell growth in the mammalian cells. ABEH is a chemically defined and protein-free cell culture medium supplement designed to provide optimal nutrients to a variety of cell lines. The enhancer is fully formulated to meet high yield and high cell viability requirements through the optimization of cell growth metabolism.

In general, the cell production supplied with the enhancer can achieve significantly higher yield, with double or many-folds increases in suspension such as HEK 293 or CHO cells compared to other common media.

### FEATURES:

- Dramatically boost antibody productivity.
- Dramatically increase cell growth and viability.
- Compatible with most media formulations.
- Defined protein-free formulations without any animal-derived components.

**CONCENTRATION:** 10X CONCENTRATED

**SIZE:** 250 mL

**Storage:** Store at 2-8 °C for 12 months

### RECOMMENDED APPLICATION

ABEH aids in mammalian cell culture-based cell growth applications by providing concentrated nutrients to the cell culture throughout the mid-culture phase. In general, ABEH is beneficial for any mammalian cell growth. The final supplement amount of ABEH is 1X in the culture, although the optimal volume may vary based on the cell line, expression level, basal media, and culture mode used.

- 1) For transient transfection expression, we suggest starting ABEH feed one day after transfection by one-time feed or multiple-time feed up to two days before the culture end, or at designated culture times. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.
- 2) For stable cell line expression, ABEH feed starts when the cell density in the culture reaches  $2.0 \times 10^6$  cells/mL by one-time feed or multiple-time feed up to two days before the culture end, or at designated culture times. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.
- 3) For a bioreactor process, ABEH feed starts when the cell density in the culture reaches to  $2.5 \times 10^6$  cells/mL by a continuous feed model up to one day before the process end. The final feed volume should be 0.5-1X in the culture, depending on the protein expression level, or an optimized volume in the culture for specific protein expression.

**For Research Use Only.**