

# Recombinant Human IL18 (*E.coli*-expressed)

Catalog Number: Y02821H

## Characteristics:

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Source                   | <i>E.coli</i>                                       |
| Description              | Human IL18 (Y37-D193)<br>Accession # NP_001230140.1 |
| Predicted molecular mass | 18.2 kDa                                            |

## Specification:

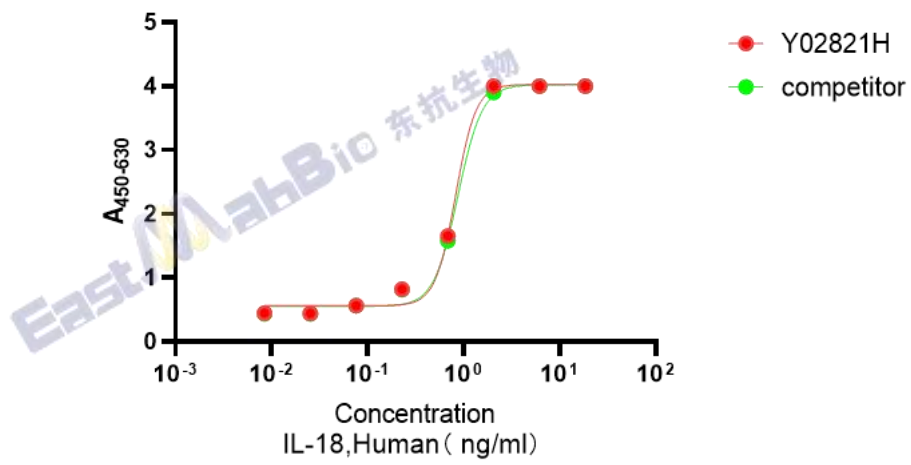
|             |                                                                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance  | White powder, Colorless clear liquid after reconstitution                                                                                                                               |
| Purity      | ≥95%, by SDS-PAGE (under conditions, visualized by Coomassie staining)                                                                                                                  |
| Endotoxin   | ≤10 EU/mg by the LAL method                                                                                                                                                             |
| Activity    | Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha. The ED <sub>50</sub> for this effect is ≤ 2.0 ng/ml. |
| Formulation | Lyophilized from a 0.22 μm-filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4                                                                                 |
| Size        | 10 μg/vial, 50μg /vial, 1 mg/vial                                                                                                                                                       |

## Handling and Storage:

|                     |                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution      | It is recommended to redissolve in sterile deionized water.                                                                                                                                                                                                                         |
| Shipping            | The product is shipped with blue ice                                                                                                                                                                                                                                                |
| Storage & Stability | 36 months at -20°C to -80°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> |

## Data:

## Bioactivity



Measured by its ability to induce IFN-gamma secretion by KG-1 cells in the presence of TNF-alpha.