

## LY75/CD205 Protein, Human, Recombinant (His), Biotinylated

### General Information

Protein Construction: Ser28-Asp1666

Species: Human

Expression Host: HEK293 Cells

Accession: O60449-1

Molecular Weight: 190.2 kDa (Predicted); 230-245 kDa (Reducing condition, due to glycosylation)

### QC Testing

Biological Activity: Immobilized Biotinylated Human LY75, His Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-LY75 Antibody, hFc Tag with the EC50 of 3.7 ng/ml determined by ELISA (QC Test).

Purity: > 95% as determined by Bis-Tris PAGE

Endotoxin: < 1 EU/µg of the protein as determined by the LAL method.

Formulation: Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Lymphocyte antigen 75 (Ly75/CD205) is a surface marker on mitotic germ cells in rainbow trout. In mammals, several cell surface molecular markers have been characterized in order to identify the mitotic germ cells. The expression profile of Ly75 protein was similar to that of the mRNA. Furthermore, identification of various fish homologs of ly75 confirmed that their amino acid sequences are well conserved. Therefore, Ly75 may be appropriate for use as a versatile cell surface marker for mitotic germ cells in fish.

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