Data Sheet (Cat.No.TMPK-01868)

TargetMol

HLA-A*25:01&B2M&NUTM1 (DVYENFRQW) Monomer Protein, Human, MHC (His & Avi), Biotinylated

General Information

Synonyms: NUTM1;FAM22H;NUT;C15orf55

Protein Construction: Gly25-Pro307 (HLA-A*25:01), Ile21-Met119 (B2M) and DVYENFRQW peptide

Species: Human

Expression Host: E. coli

Accession: CDK41178.1(HLA-A*25:01)&P61769(B2M)&DVYENFRQW

Molecular Weight: 36.1 kDa (HLA-A*25:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

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

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

Formulation: Supplied as 0.22 μm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).

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

Nuclear protein of testis (NUT), a protein product of the NUTM1 gene (located on the long arm of chromosome 15) with highly restricted physiologic expression in post-meiotic spermatids, is the oncogenic driver of a group of emerging neoplasms when fused with genes involved in transcription regulation.

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