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# Data Sheet

## *CD73, Avi-His-Tag (Mouse)*

Mouse, Recombinant, C-terminal Avi-His-tag
**Catalog #:** 72523
**Lot #:** 160524-G **Conc.:** 0.33 mg/ml

**Formulated in:** 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

**Stability:** At least 6 months at –80°C. *Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

**References:**

1. Deaglio, S. *et al., J. Exp. Med.* 2007; **204(6):** 1257-1265.
2. Thompson, L.F., *et al., J. Exp. Med.* 2004; **200(11):** 1395-1405.

**Description:** Mouse CD73, also known as 5'-nucleotidase and Ecto-5'-nucleotidase, GenBank Accession No. NM_011851, a.a. 29-549 with C-terminal Avi-His-tag, expressed in a HEK293 cell expression system. MW = 61 kDa. This protein runs at a higher MW by SDS-PAGE due to glycosylation.

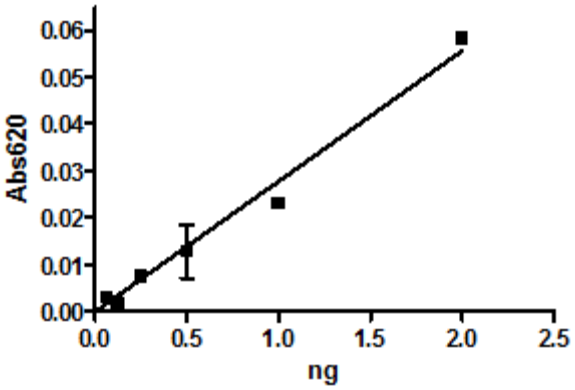
**Specific Activity:** ≥ 20 nmol/min/µg

**Assay Description:** Assay was done in 50 µL assay buffer containing 25 mM Tris, pH 7.4, 5 mM MgCl2 and 100 µM AMP for 15 min at 37°C. Phosphate standard solution was run side-by-side for product quantification.

**Application:** Useful for studying enzyme kinetics, substrate specificity, and screening inhibitors.

## *Quality Assurance*

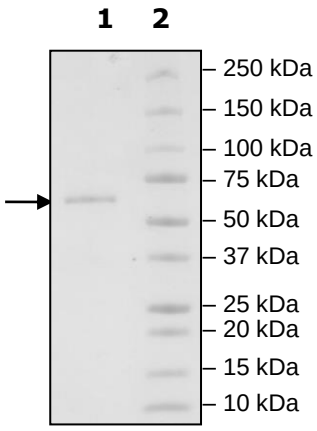
**Specific Activity**




**4-20% SDS-PAGE**
**Coomassie staining**

**Lane 1**:
3 µg CD73
**Lane 2**:
Protein Marker

**MW**:61 kDa+glycans
**Purity**: ≥90%

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