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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Data Sheet

CD45, His-tag

Human, Recombinant, N-terminal His-tag
Catalog #: 30044
Lot #: 150220-D **Conc.:** 2.4 mg/ml

Formulated in: 40 mM Tris pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol and 3 mM DTT.

Endotoxin Level: <1 EU/ µg

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

Reference(s):

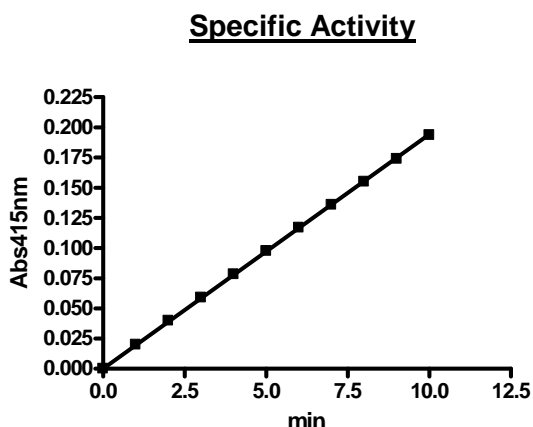
1. Im M. *et al.*, *Korean J Lab Med.*: **31(13)**, 148-153 (2011).

Description: Protein tyrosine phosphatase CD45, also known as PTPRC (GenBank accession No. NM_080922), catalytic domain, a.a. 632-1304 (end) with N-terminal His-tag, MW=82 kDa, expressed in a Baculovirus Sf9 expression system.

Specific Activity: ≥341 pmole/min/µg
 Assay conditions: 20 mM HEPES, pH 7.2, 100 mM NaCl, 2 mM EDTA, 1 mM DTT, 1 mM PNPP, 20 min at room temperature. Absorbance was measured at 405 nm. Specific activity was calculated based on $\epsilon_{\text{pnp}}=18,000\text{M}^{-1}\text{cm}^{-1}$.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

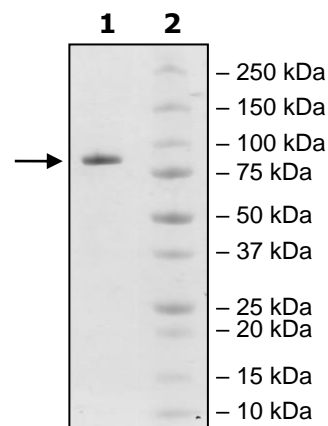
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
 2 µg CD45
Lane 2:
 Protein Marker

MW: 82 kDa
Purity: ≥90%



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