

Data Sheet

ALOX-15

Human, recombinant, N-terminal FLAG-tag
Catalog #: w60231
Lot#: 110602 **Conc.:** 0.27 mg/ml

Formulated in: 50 mM Tris-HCl, pH 8.0, 138 mM NaCl, 2.7 mM KCl, and 100 ng/ul Flag peptide.

Stability: >6 months at -80 °C

References:

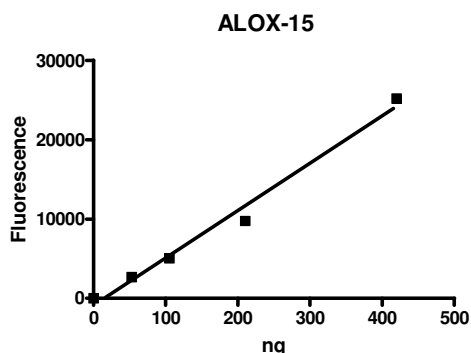
1. Jiang, W.G., *et al.* (2006). *Prostaglandins Leukot Essent Fatty Acids*. **74 (4)**: 235-45.
2. Sigal, E., *et al.* (1988). *Biochem. Biophys. Res. Commun.* **157 (2)**: 457-64.
3. Bhattacharya S, *et al.* (2009). *Tumour Biol.* **30(4)**:185-99.

Description: ALOX-15, also known as 15LOX-1, omega-6 lipoxygenase, or arachidonate15-lipoxygenase (GenBank Accession No. NM_001140), a.a. 2- 662(end), with an N-terminal FLAG-tag, MW=75 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

Assay Conditions: ALOX activity was measured using a DPPP coupled assay. The enzyme was incubated with 200 µM linoleic acid in DPBS buffer (pH 7.4) for 10 min at room temperature followed by addition of 100 µl of 0.125 mM DPPP in methanol. After 30 min incubation at room temperature, fluorescence was read at Ex_{350nm}/Em_{380nm}.

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

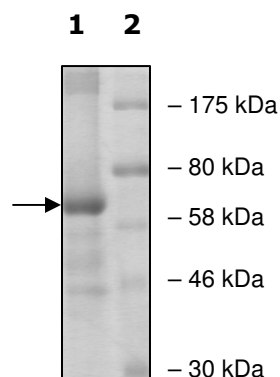
Quality Assurance



10% SDS-PAGE Coomassie staining

Lane 1:
1.8 µg ALOX-15
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 75 kDa
Purity: ≥60%



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