

Anti-Oxalate Oxidase Antibody

CATALOG NO.: A1803-30T 30 µg (Trial size)
A1803-100 100 µg

BACKGROUND DESCRIPTION: Oxalate oxidase is a member of the cupin superfamily. It catalyzes the breakdown of oxalate to hydrogen peroxide and carbon dioxide. Oxalate oxidase and oxalate decarboxylase are two similar enzymes that share similar structural and sequence identity. Both enzymes use oxalate as substrate and manganese ions as cofactors. BioVision's oxalate oxidase is derived from *B. subtilis* oxalate decarboxylase by introducing three mutations: S161D, E162A and N163S in the active-site loop.

ALTERNATE NAMES: OxO, OxOx.

ANTIBODY TYPE: Polyclonal

CONCENTRATION: 0.5 mg/ml

HOST/ISOTYPE: Rabbit / IgG.

INTERNAL I.D. Q83

IMMUNOGEN: *B. subtilis* Recombinant, Oxalate oxidase (cat# P1091).

PURIFICATION: Affinity purified.

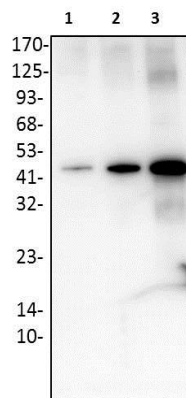
FORM: Liquid.

FORMULATION: In phosphate buffered saline (PBS), pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

SPECIES REACTIVITY: *B. subtilis*.

STORAGE CONDITIONS: Store at -20°C; Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

APPLICATIONS AND USAGE: Western blot: 1-4 µg (**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**)



Western blot of *B. subtilis* Recombinant, Oxalate oxidase using Anti- Oxalate Oxidase Antibody:

Lane 1: rec. OxOx 2 ng.
Lane 2: rec. OxOx 10 ng
Lane 3: rec. OxOx 50 ng.

RELATED PRODUCTS:

B. subtilis Recombinant, Oxalate oxidase (OxOx) (P1091).
OxdC Antibody (6672).

FOR RESEARCH USE ONLY! Not to be used on humans