

product **AS08 294**

## **ALD | fructose-1,6 bisphosphate aldolase**

### **product information**

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| <b>background</b>             | Fructose-1,6 bisphosphate aldolase ( <b>ALD</b> ) is an enzyme catalyzing a key reaction of glycolysis and energy production, converting D-fructose-1,6-bisphosphate into dihydroxyacetone phosphate and D-glyceraldehyde-3-phosphate. This enzyme is present in plant and animal tissues. Plant enzyme is a class I aldolase which does not require a bivalent metal cofactor. It is located to outer mitochondrial membrane. |
| <b>immunogen</b>              | overexpressed cytosolic fructose 1,6 bisphosphate aldolase (ALD) based on the sequence from <i>Arabidopsis thaliana</i> <a href="#">Q9LF98</a>   |
| <b>antibody format</b>        | rabbit polyclonal serum lyophilized  |
| <b>quantity</b>               | 100 µl for reconstitution add 100 µl of sterile water.   |
| <b>storage</b>                | store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.  |
| <b>tested applications</b>    | western blot (WB)  |
| <b>additional information</b> | to be added when available   |

### **application information**

|                               |  |
|-------------------------------|--|
| <b>recommended dilution</b>   | 1: 5000 with standard ECL (WB)   |
| <b>expected   apparent MW</b> | 38   38 kDa  |
| <b>confirmed reactivity</b>   | <i>Arabidopsis thaliana</i> , <i>Gracilaria gracilis</i> (red algae)   |
| <b>predicted reactivity</b>   | dicots including: <i>Glycine max</i> , <i>Pisum sativum</i> , <i>Spinacia oleracea</i> , <i>Vitis vinifera</i> , monocots including: <i>Oryza sativa</i> , <i>Zea mays</i> , trees: <i>Picea sitchensis</i> , <i>Populus jackii</i> , moss: <i>Physcomitrella patens</i> |
| <b>not reactive in</b>        | <i>Synechocystis</i> sp.   |
| <b>additional information</b> | to be added when available   |
| <b>selected references</b>    | to be added when available   |