

Product no **AS12 2617**  
**MME4 | Malic enzyme**

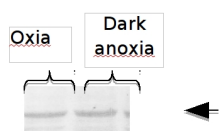
## Product information

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived <i>Chlamydomonas reinhardtii</i> MME4 protein sequence <u>A8IUZ4</u> . The peptide is also conserved in MME3 <u>A8IUW2</u>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µg
<b>Reconstitution</b>	For reconstitution add 200 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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

## Application information

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	56 kDa
<b>Confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i>
<b>Predicted reactivity</b>	<i>Chlamydomonas reinhardtii</i>
<b>Not reactive in</b>	<i>Chromera velia</i>
<b>Selected references</b>	<u>Subramanian</u> et al. (2014). Profiling <i>Chlamydomonas</i> Metabolism under Dark, Anoxic H <sub>2</sub> Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. J Proteome Res. 2014 Oct 21.

## application example



**25 µg of total protein** from *Chlamydomonas reinhardtii*, oxic conditions and dark anoxia were separated on 4-15 % **SDS-PAGE** and blotted 1h to **PVDF**. Blotting was done using SNAP-ID kit: incubation in blocking buffer for 1 min., following incubation in a primary antibody at a dilution of 1: 1 000 for 20 min, wash three times with wash buffer TBS-T, followed by incubation in a secondary antibody at a dilution of 1: 5000, for 20 min. and three times wash in TBS-T. The blot was washed and developed with alkaline phosphatase color development reagent according to the manufacturer's instructions.

Courtesy of Dr. Alexandra Dubini