

DATA SHEET

OmniStar™ Hot Start Taq Antibody

DESCRIPTION

OmniStar™ is a mouse monoclonal antibody. It blocks polymerase activity during set-up of the PCR reactions.

It provides an antibody mediated hot start. OmniStar™ Taq Antibody is effective with the variety of commercial available Taq DNA polymerases (native or recombinant). We recommend to use our OmniBio™ Taq DNA Polymerase.

CONCENTRATION

4 mg/ml

UNIT DEFINITION

one unit is defined as the amount of OmniStar™ antibody required to block 50% of activity of 1 µg of Taq DNA polymerase at 37°C.

PACKAGING

Omni Star™ Taq antibody is supplied with 10x reaction buffer including MgCl₂ or with 10x reaction buffer without MgCl₂ plus a separate tube of MgCl₂. Shipped on ice.

REACTION BUFFER

160 mM(NH₄)₂ SO₄, 670 mM Tris-HCL at PH 8.8 (at 25°C), 15 mM MgCl₂, 0,1% Tween 20

STORAGE BUFFER

10 mM Tris-HCL (pH 7.0 at 22°C), 50 mM KCL, 0,1 mM EDTA, 50% glycerol

STORAGE

-20 °C

FOR RESEARCH USE ONLY.