

## Product datasheet for TA700593

### MGMT Biotinylated Mouse Monoclonal Detection Antibody (Biotin conjugated) [Clone ID: OT110H9]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OT110H9
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length recombinant protein
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
<b>Predicted Protein Size:</b>	24.9 kDa
<b>Gene Name:</b>	O-6-methylguanine-DNA methyltransferase
<b>Database Link:</b>	<a href="#">NP_002403</a> <a href="#">Entrez Gene 4255 Human</a> <a href="#">P16455</a>

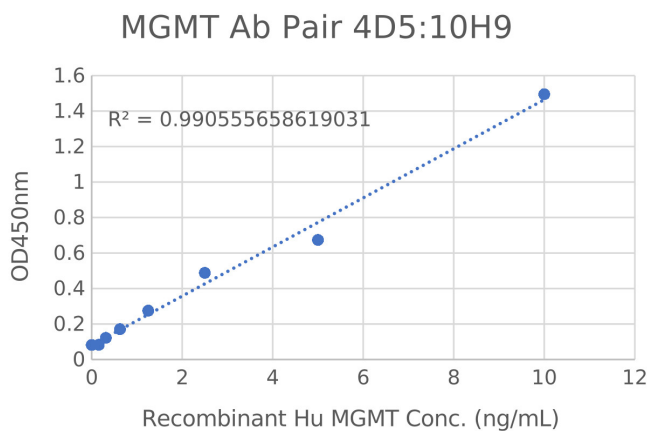


**Background:**

Alkylating agents are potent carcinogens that can result in cell death, mutation and cancer. The protein encoded by this gene is a DNA repair protein that is involved in cellular defense against mutagenesis and toxicity from alkylating agents. The protein catalyzes transfer of methyl groups from O(6)-alkylguanine and other methylated moieties of the DNA to its own molecule, which repairs the toxic lesions. Methylation of the genes promoter has been associated with several cancer types, including colorectal cancer, lung cancer, lymphoma and glioblastoma.

**Matched ELISA Pair:** TA600593

**Protein Families:** Druggable Genome

**Product images:**

MGMT ELISA with 4D5 Capture ([TA600593]) and 10H9 Detection (TA700593) Antibodies. Target protein used: Human MGMT (HEK293T cells expressed protein Cat# [TP329131])