

**Anti-Human Thrombopoietin (TPO)
Monoclonal Antibody Clone 7G1-A9**

Supplied as Culture Supernatant
MC-4356 Lot # 9604

This culture supernatant contains mouse monoclonal antibody 7G1-A9 raised against human TPO. This monoclonal antibody has been found to bind specifically to human TPO by ELISA and blotting techniques. By epitope mapping with synthetic peptides, it was found that this antibody binds to residues 244-277 of human TPO. Each vial contains 1.0 ml of sterile filtered and sterile packaged culture supernatant. Isotyping has shown this monoclonal antibody to be mouse IgM.

Monoclonal Antibody Specificity

Polypeptide	% Cross Reactivity
recombinant Thrombopoietin (human)	100
TPO (244-277)	~ 60
recombinant EPO (human)	0
ACTH (1-39)	0
Calcitonin (human)	0
Insulin (human)	0
Insulin-like Growth Factor 1 (human)	0
Insulin-like Growth Factor 2 (human)	0
Parathyroid hormone (human)	0

ELISA

This monoclonal antibody has been found by indirect ELISA to bind to recombinant human TPO and hTPO(244-277). Titration experiments by indirect ELISA show that a dilution of 1:20 will yield an OD of greater than 2.0 under standard assay conditions.