

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

Supplied as an IgM Fraction from Ascites Fluid
MC-4358 Lot # 9611

This purified IgM fraction was isolated from ascites fluid containing mouse monoclonal antibody 7G1-A9 raised against human TPO. The 50µg of IgM has been packaged in 100µl of 10mg/ml BSA in PBS as carrier protein. 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.

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

The monoclonal antibody in this IgM fraction has been found by indirect ELISA to bind to recombinant human TPO and hTPO(244-277). Titration experiments by indirect ELISA show that 100 ng of this IgM will yield an OD of greater than 2.0 under standard assay conditions.