Peroxidase-Conjugated
Goat Anti-Mouse
Immunoglobulins
Code No. P 0447

Presentation
Peroxidase-conjugated, affinity-isolated goat anti-mouse immunoglobulins.
Solvent: 0.05 mol/L Tris/HCl, 15 mmol/L NaN₃, pH 7.2.
Concentration of specific antibodies: 1.0 g/L.

Preparation
1. The antibody used for conjugation has been solid-phase absorbed to remove antibodies cross-reacting with human immunoglobulins and fetal calf serum.
2. The absorbed antibody has been further purified by affinity chromatography using agarose beads coupled with mouse immunoglobulins.
3. The affinity-isolated antibody has then been conjugated with horseradish peroxidase of very high specific enzymatic activity. The coupling reaction is a modification, developed at DAKO, of the two-step glutaraldehyde method of Avrameas and Ternynck (1). The reaction is gentle, efficient, highly reproducible and gives conjugate molecules of Mr predominantly 200 000 to 240 000.

Immunogen
Immunoglobulins, mainly IgG, isolated from mouse serum.

Specificity
The antibody reacts with all mouse IgG subclasses, mouse IgA and mouse IgM.
Cross-reaction with human immunoglobulins and fetal calf serum is very low as determined by ELISA, less than 0.5%. The cross-reaction with immunoglobulins of rabbit is less than 0.8%.
The cross-reaction with immunoglobulins of swine, guinea pig and rat is 8%, 12% and 35%, respectively.

Application
The reagent is well-suited for immunocytochemistry, ELISA and immunoblotting.
GUIDELINE FOR DILUTION
Immunocytochemistry: 1:100
ELISA: 1:2 000
Immunoblotting: 1:1 000 - 1:2 000

Storage
2-8 °C.

Reference