

Product datasheet for **DM3596P**

TGF beta Receptor II (TGFBR2) (Extracell. Dom.) Rat Monoclonal Antibody [Clone ID: 6G11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6G11
Applications:	WB
Recommended Dilution:	Western Blot (1/500-1/1000).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant Mouse TGF-beta R2 extracellular domain
Specificity:	This antibody detects Mouse TGF-beta R2. Other species not tested.
Formulation:	PBS State: Purified State: Lyophilized (0.2 µm filtered) purified IgG fraction from Culture Supernatant Stabilizer: None
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500 µg/ml.
Purification:	Protein A/G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transforming growth factor beta receptor 2
Database Link:	P37173



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Background:

A total of three members of the TGF β family, TGF β 1, TGF β 2 and TGF β 3, have been identified in mammals. Each is synthesized as a latent precursor that is subsequently cleaved forming the 112 amino acid growth factor which becomes active upon dimerization. TGF β s mediate their activity by high affinity binding to the type II receptor (TGF β RII) transmembrane protein with a cytoplasmic serine-threonine kinase domain. For signaling growth inhibition and early gene responses the type II receptor requires both its kinase activity and association with a TGF β -binding protein, designated the type I receptor. Two independent groups have recently described the cloning and sequence analysis of genes encoding TGF β type I receptor proteins designated ALK-5 (T β R-1) and TSR-1, respectively.

Synonyms:

TGF-beta receptor type-2, TGF-beta receptor type II, TGF-beta type II receptor, TbetaR-II, TGFR-2