

Product datasheet for **TA386181**

IL10 Rat Monoclonal Antibody [Clone ID: 9D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9D7
Applications:	ELISA, IF, IHC, IP, Neutralize
Reactivity:	Human
Host:	Rat
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Rats are immunised with synthetic oligopeptide (containing an N-terminal cysteine)-carrier protein conjugates. IL-10 was conjugated to JES3. The mouse non-secreting myeloma fusion partner P3X63-AG8.653, is fused to immunised rat splenocytes to produce heterohybridomas secreting rat antibody. Bioassays were used to identify neutralising mAbs, and immunochemical screens were used to identify mAbs that bind the cytokine.
Specificity:	<p>The six 9D7 Fab CDR loops interact with a discontinuous IL-10M1 epitope comprised of residues 71-83 and 125-137. 9D7 non-competitively antagonises IL-10R1 binding.</p> <p>9D7 has been used in ELISA experiments in order to specifically detect IL-10 and show higher circulating levels of IL-10 in patients with acute EBV-induced mononucleosis (Taga 1995). Further, 9D7 has been used to immunoprecipitate IL-10 from the supernatants of melanoma cells in order to study the production of IL-10 by melanoma cells (Qiyuan Chen 1994). A fab fragment derived from 9D7 has been used to study the noncompetitive antibody neutralisation of IL-10 by x-ray crystallography (Josephson 2002).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	interleukin 10



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Synonyms: CSIF; IL-10; IL10A; MGC126450; MGC126451; TGIF