Recombinant DGRmAb®

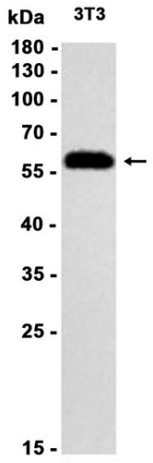
TdT (DGR12809) Rabbit mAb

db13698 **Package : 10μL 20μL 50μL 100μL**

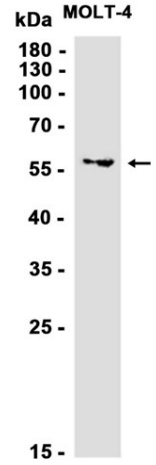
Product Name : TdT (DGR12809) Rabbit mAb
Cat.No.: db13698
Synonyms : TDT
Application : WB, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human TdT
Gene ID	1791
Swiss Prot	P04053
Synonyms	TDT
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 ICC/IF: 1:100-1:200 FC: 1:20 IP: 1:20
Calculated MW	59 kDa
Observed MW	59 kDa
Host species	Rabbit
Clonality	Monoclonal

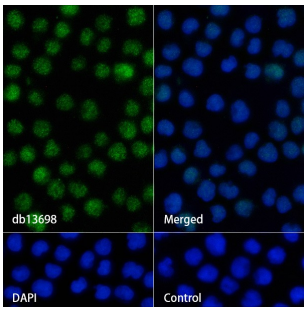
Clonality No.	DGR12809
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 3T3 cells using db13698 at 1:1000.



Western blot analysis of extracts from MOLT-4 cells using db13698 at 1:1000.



Immunofluorescence analysis of Jurkat cells labelling TdT with db13698.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db13698 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.