Recombinant DGRmAb®

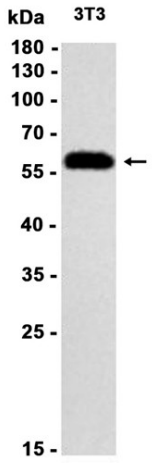
TdT (DGR12809) Rabbit mAb (PBS Only)

db13698-PBS **Package : 10μg 100μg**

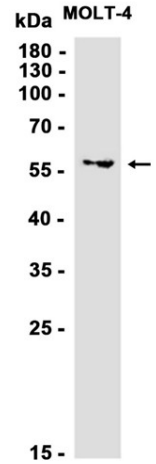
Product Name : TdT (DGR12809) Rabbit mAb (PBS Only)
Cat.No.: db13698-PBS
Synonyms : TDT
Application : WB, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	59 kDa
Observed MW	59 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12809
Isotype	IgG
Purity	Affinity Purification

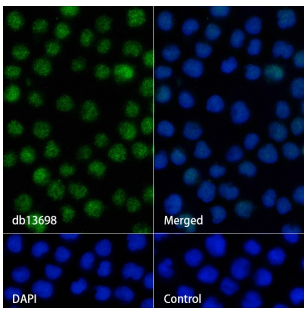
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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.