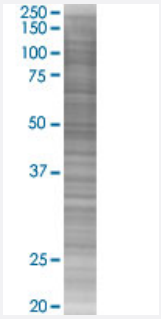
IGL 293T Cell Transient Overexpression Lysate(Denatured)

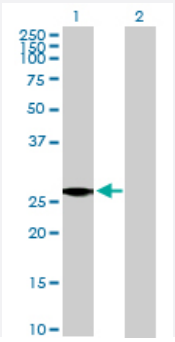
Catalog # H00003535-T02 Size 100 uL

Applications



SDS-PAGE Gel

IGL@ transfected lysate.



Western Blot

Lane 1: IGL@ transfected lysate (24.80 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-IGL full-length
Host	Human
Theoretical MW (kDa)	24.8
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-IGL antibody (H00003535-B01P) by Western Blots. SDS-PAGE Gel IGL@ transfected lysate. Western Blot Lane 1: IGL@ transfected lysate (24.80 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — IGL@

Entrez GeneID	3535
GeneBank Accession#	BC089414
Protein Accession#	AAH89414.1
Gene Name	IGL@
Gene Alias	IGL, MGC88804
Gene Description	immunoglobulin lambda locus
Gene Ontology	Hyperlink
Gene Summary	Immunoglobulins recognize foreign antigens and initiate immune responses such as phagocytosis and the complement system. Each immunoglobulin molecule consists of two identical heavy chains and two identical light chains. There are two classes of light chains, kappa and lambda. This region represents the germline organization of the lambda light chain locus. The locus includes V (variable), J (joining), and C (constant) segments. During B cell development, a recombination event at the DNA level joins a single V segment with a J segment; the C segment is later joined by splicing at the RNA level. Recombination of many different V segments with several J segments provides a wide range of antigen recognition. Additional diversity is attained by junctional diversity, resulting from the random additional of nucleotides by terminal deoxynucleotidyltransferase, and by somatic hypermutation, which occurs during B cell maturation in the spleen and lymph nodes. Several V segments and three C segments are known to be incapable of encoding a protein and are considered pseudogenes. The locus also includes several non-immunoglobulin genes, many of which are pseudogenes or are predicted by automated computational analysis or homology to other species. [provided by RefSeq
Other Designations	immunoglobulin lambda gene cluster