

Mouse anti-Lambda Light Chain (monoclonal)

Clone no. SHL53

MONXtra

Product name	Mouse anti-Lambda Light Chain (monoclonal)
Host	Mouse
Applications	IHC-P (1:200)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to 105 amino acids of the human lambda light chain molecule.
Isotype	IgG1
Clonality	Monoclonal
Clone number	SHL53
Size	1 ml
Concentration	Greater than or equal to 554 mg/L
Format	-
Storage buffer	Tissue culture supernatant with 15mM Sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Mouse anti-Lambda Light Chain (monoclonal)

Clone no. SHL53

MONXtra

Additional info

The basic structure of an immunoglobulin molecule consists of two identical heavy chains, either gamma, alpha, delta, or epsilon and two identical light chains, either kappa or lambda. Any heavy chain can associate with either light chain but on any immunoglobulin molecule both light chains are of the same type. The ratio of kappa and lambda light chains varies between Ig classes and subclasses. In a polyclonal population the ratio of kappa to lambda bearing B cells is approximately 2:1, with individual B cells thought to express kappa or lambda light chains, never both. The majority of kappa and lambda chains are bound to heavy chain immunoglobulin, however in normal individuals low levels of free light chain are present in serum. The occurrence of a mixture of kappa and lambda chain expressing cells suggests a polyclonal population and a reactive or non-neoplastic proliferation of B cells.

References

1. Gertz M et al. *Kidney International*. 2002; 61(1):1–9
2. Ramsland P and Farrugia W. *Journal of Molecular Recognition*. 2002; 15:248–2!
3. -
4. -
5. -

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES