

Rat anti-Mouse KAPPA LIGHT CHAIN Monoclonal Antibody

RAT ANTI MOUSE KAPPA LIGHT CHAIN: HRP

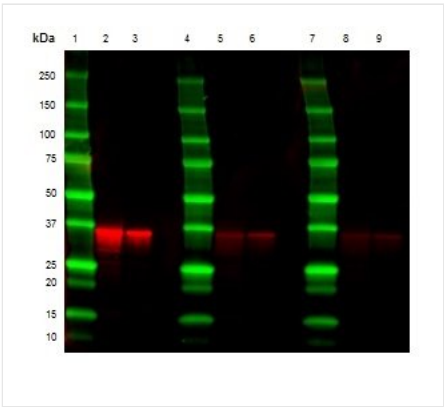
CATALOG # AAA50266	HOST Rat	REACTIVITY Mouse	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

KAPPA LIGHT CHAIN; Monoclonal Antibody; RAT ANTI MOUSE KAPPA LIGHT CHAIN: HRP; anti-KAPPA LIGHT CHAIN antibody

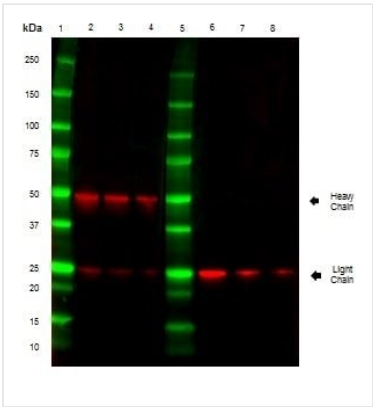
PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	OX-20
Specificity	KAPPA LIGHT CHAIN
Form/Format	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	106
Applicable Applications for anti-KAPPA LIGHT CHAIN antibody	WB (Western Blot), ELISA
Immunogen	Purified mouse IgG
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.01% Thiomersal, HRP Stabiliser
Buffer Solution	Phosphate buffered saline
Fusion Partners	Spleen cells from an immunised PVG.RT1c rat were fused with cells of the rat Y3 Ag.1.2.3 myeloma cell line
Preparation and Storage	Store at +4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



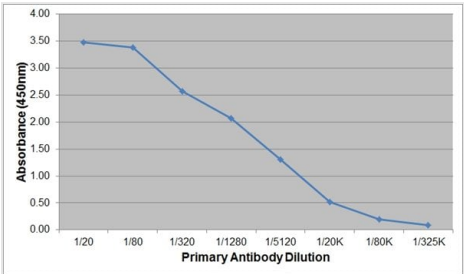
Application Data

HeLa (lanes 2, 5 and 8) and HepG2 (lanes 3, 6 and 9) cell lysates were run under reducing conditions on SDS PAGE using the V3 system and transferred to a PVDF membrane. Precision Plus molecular weight marker was run in lanes 1, 4 and 7. A Mouse anti Human GAPDH was used as the primary antibody at a dilution of 1/1000. Rat anti Mouse Kappa Light Chain:HRP was used as the secondary antibody at 1/1000 (lanes 2 and 3), 1/5000 (lanes 5 and 6) and 1/10000 (lanes 8 and 9). Visualization was carried out using the ChemiDoc with automatic exposure



Application Data

A Mouse monoclonal antibody of the IgG1 isotype was run under reducing conditions on SDS PAGE using the V3 system and transferred to a PVDF membrane. Precision Plus molecular weight marker was run in lanes 1 and 5. 1, 0.5 and 0.25 ug of antibody were run in lanes 2, 3 and 4 and 6, 7 and 8 respectively. Protein detection was carried out on lanes 2, 3 and 4 using Goat anti Mouse IgG (H/L):HRP at a dilution of 1/10,000. Detection was carried out on lanes 6, 7 and 8 using Rat anti Mouse Kappa Light Chain:HRP at a dilution of 1/1,000. Visualization was carried out using the ChemiDoc with automatic exposure time. was specific for both the heavy (50kDa) and light (25kDa) chains whereas This product was specific for the light chains



Application Data

Purified Mouse IgG (PMP01) used as coating reagent in a direct ELISA detected with Rat anti Mouse Kappa Light Chain:HRP

ADDITIONAL INFORMATION

Related Product Information for anti-KAPPA LIGHT CHAIN antibody	Rat anti Mouse kappa light chain antibody, clone OX-20 recognizes the kappa light chain of murine immunoglobulins. OX-20 does not recognize mouse lambda light chains or bind to the immunoglobulin heavy chain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125146
UniProt Accession #	P01837
Molecular Weight	11,778 Da
NCBI Official Full Name	Ig kappa chain C region
UniProt Protein Name	Ig kappa chain C region
UniProt Entry Name	IGKC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.