Datasheet: MCA6008GA

Description:	MOUSE ANTI SHEEP CD230 (aa143-154)
Specificity:	CD230 (aa143-154)
Other names:	PRP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	ROS-BH1
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Sheep

Species Cross Reactivity

Reacts with: Bovine, Human, Hamster, Mouse, Red deer

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	Ig concentration 1.0 mg/ml
Immunogen	A truncated form of recombinant Ovine PRP spanning residues aa94 - aa233.
External Database Links	**UniProt:** P23907 Related reagents P10279 Related reagents **Entrez Gene:** 493887 PRNP Related reagents 281427 PRNP Related reagents
Synonyms	PRP, SIP
Fusion Partners	Spleen cells from immunised 129/Ola mice were fused with cells of the SP2/0 myeloma cell line.
Specificity	**Mouse anti Sheep CD230 (Prpsc) antibody, clone ROS-BH1** recognizes the prion disease form of prion protein known as CD230. Transmissible spongiform encephalopathies (TSEs) or prion diseases are fatal infectious neurodegenerative diseases of humans and animals, and known as Scrapie (sheep and goats), BSE (cattle), CWD (cervine/deer) and CJD (humans). These diseases are biologically unique, as they are believed by some to be transmitted by an infectious agent comprised only of protein, with no nucleic acid component. Clinically, these diseases present with motor disturbances and behavioral changes. The major pathological changes seen are neuronal loss, vacuolation (spongiform change), proliferation and branching of glial cells, astrocytic proliferation and accumulation of the prion protein PrP^{Sc}, which can form amyloid plaques. CD230. Also known as the prion protein (PrP) exists in two alternate forms; a normal cellular form (PrP^{c}) and a disease-associated form (PrP^{Sc}).The normal and pathological forms of the prion protein have identical amino acid sequences and differ only in their folded tertiary structure and biochemical properties.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch

Acknowledgements	This reagent was licenced from The Roslin Institute at the University of Edinburgh as part of the immunological toolbox project
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6008GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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