

Mouse CD230 Monoclonal Antibody | anti-CD230 antibody

Mouse Anti Sheep CD230 (aa144-154)

CATALOG # AAA50356	HOST Mouse	REACTIVITY Sheep, Bovine, Hamster, Mouse, Red Deer Does not react with: Human	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD230; Monoclonal Antibody; Mouse Anti Sheep CD230 (aa144-154); CD230 antibody (ROS-BC6); anti-CD230 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Sheep, Bovine, Hamster, Mouse, Red Deer Does not react with: Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ROS-BC6
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	256
Applicable Applications for anti-CD230 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	A truncated form of recombinant Ovine PRP spanning residues aa94-aa233.
Fusion Partners	Spleen cells from immunised 129/Ola mice were fused with cells of the SP2/0 myeloma cell line.
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃)
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometry analysis of ovine PBMC's using Mouse anti Sheep CD230, clone ROS-BC6 .
Images courtesy of the Roslin Institute



FCM/FACS (Flow Cytometry)

Flow Cytometry analysis of CD230. Ovine PBMC's staining using Mouse anti Sheep CD230, clone ROS-BC6 as the primary antibody followed by an anti mouse IgG conjugated to APC.
Gated on sytox blue negative live cells and the PBMC region determined by FSC v. SSC profile. Image courtesy of The Roslin Institute.



WB (Western Blot)

Western Blot analysis of various tissues using Mouse anti Sheep CD230, clone ROS-BC6 .
Lane 1 PRPc BSE infected ovine medulla, Lane 2 PRPc uninfected ovine medulla, Lane 3
Scrapie infected ovine medulla, Lane 4 PRPsc scrapie infected ovine spleen, Lane 5 PRPsc
BSE infected ovine medulla, Lane 6 PRPsc BSE infected ovine spleen. Image courtesy of The
Roslin Institute

ADDITIONAL INFORMATION

Related Product Information for anti-CD230 antibody	Mouse anti Sheep CD230 (Prpsc) antibody, clone ROS-BC6 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 PrPsc, which can form amyloid plaques. CD230. also known as the prion protein (PrP) exists in two alternate forms; a normal cellular form (PrPc) and a disease-associated form (PrPSc).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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57164159
NCBI GeneID	493887
NCBI Accession #	NP_001009481.1
NCBI GenBank Nucleotide #	NM_001009481.1
UniProt Accession #	P23907; P10279
NCBI Official Full Name	major prion protein
NCBI Official Symbol	PRNP
NCBI Official Synonym Symbols	Prp; SIP; PRPC
NCBI Protein Information	major prion protein
UniProt Protein Name	Major prion protein
UniProt Gene Name	PRNP
UniProt Synonym Gene Names	PRP; SIP; PrP
UniProt Entry Name	PRIO_SHEEP

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd230-antibody-clone-ros-bc6-western-blot-immunohistochemistry-flow-cytometry-elisa/50356>