



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

#### Mouse Anti Sheep Prion Protein With HRP-Conjugated Second Antibody

**Catalog No.**  
DS-MB-02144

**Target Species**  
Sheep

**Isotype**  
IgG1

### Specificity

Also known as CD230, Prion protein was classified as CD230 at the 7th HLDA workshop. CD230 is a large membrane protein expressed normally in neurons, and thought to be involved in synaptic transmission. In certain diseases, most notably Creutzfeld-Jakob disease (CJD) and bovine spongiform encephalopathy (BSE), normal prion protein (PrPc) is transformed into an altered, pathogenic form (PrPsc). This altered form is resistant to proteolytic degradation and accumulates in the brains of affected individuals.

DS-MB-02144 is specific for CD230, also known as prion protein. This antibody will recognize normal prion protein (PrPc) and the protease resistant form (PrPsc). After denaturation/protease treatment it recognizes only the pathogenic form (PrPsc).

**Species Cross Reactivity:** Reacts with Bovine

\*Antibody reactivity and working conditions may vary between species.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG – liquid

**Preservative Stabilizers:** 0.09% Sodium Azide

**Approx. Protein Concentration:** 0.1 mg/ml

**Buffer:** Phosphate Buffered Saline

### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### Applications

Table Summary of antibody applications and working conditions

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	.			
Western Blotting	.			
Immunohistology - frozen			.	
Immunohistology - paraffin	.			
Flow Cytometry			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

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