Mouse Anti bovine decorin Hybridoma [7E7]

Anti bovine decorin Hybridoma
Lot. No. (See product label)

CELL LINE INFORMATION

<table>
<thead>
<tr>
<th>Cat.No.</th>
<th>CSC-H1929</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Name</td>
<td>DCN</td>
</tr>
<tr>
<td>Clone</td>
<td>7E7</td>
</tr>
<tr>
<td>Cell Line Description</td>
<td>The antibody is against bovine decorin (Name: decorin; Origin: bovine skin; Chemical Composition: protein 56%, carbohydrate 44%; Developmental Stage: adult; Molecular weight: tetrapeptide to intact protein)</td>
</tr>
</tbody>
</table>

Background
Decorin is a proteoglycan on average 90 - 140 kilodaltons (kD) in size. It belongs to the small leucine-rich proteoglycan (SLRP) family and consists of a protein core containing leucine repeats with a glycosaminoglycan (GAG) chain consisting of either chondroitin sulfate (CS) or dermatan sulfate (DS). Decorin is a small cellular or pericellular matrix proteoglycan and is closely related in structure to biglycan protein. Decorin and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly.

Immunogen
bovine decorin

Immunological Donor
male SJL/J Mouse spleen

Myeloma
Mouse 315.43

Fusion Species
Mouse X Mouse Hybridoma

Mycoplasma
Mycoplasma Status: Negative (MycoAlert Kit)

ANTIBODY INFORMATION

Reactivity
many species, including cow, human, pig and rabbit

Isotype
IgG1

Target
DCN

Application
Specificity: His-Leu-Arg-Glu; Cell binding: detects intracellular protein after permeabilization; Immunoblotting; Immunohistochemistry: fixed and frozen sections

SAFETY AND PACKAGING

Storage
liquid nitrogen

Safety Considerations
The following safety precautions should be observed.
1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum.
2. No eating, drinking or smoking while handling the hybridoma.
3. Wash hands after handling the hybridoma and before leaving the lab.
4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma.
5. All waste should be considered hazardous.
6. Dispose of all liquid waste after each experiment and treat with bleach.

Ship
Dry Ice

ANTIGEN GENE INFORMATION
Gene Name | DCN decorin [ Bos taurus ]
---|---
Official Symbol | DCN
Synonyms | DCN; decorin; BOS_4881; PG-S2; bone proteoglycan II;
Gene ID | 280760
mRNA Refseq | NM_173906.4
Protein Refseq | NP_776331.2
UniProt ID | P21793
Chromosome Location | chromosome: 5
Pathway | A tetrasaccharide linker sequence is required for GAG synthesis; CS/DS degradation; Chondroitin sulfate biosynthesis; Chondroitin sulfate/dermatan sulfate metabolism; Dermatan sulfate biosynthesis;
Disease | 
Function | extracellular matrix binding; glycosaminoglycan binding; protein binding

REFERENCES