

Note that this data sheet is not lot-specific. Please consult the vial label and the certificate of analysis for information on specific lots.

## m-anti-h-Aggrecan Neopeptide ARGSVIL (clone N38), monoclonal

Catalogue Number: 314 11 004

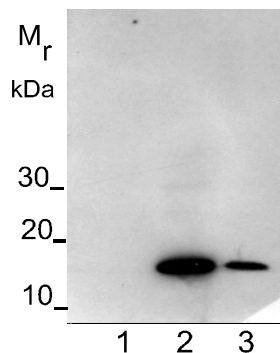
Package Size: 100 µg / 100 µl

### 1. Description

Protein A-purified mouse monoclonal antibody against human Aggrecan Neopeptide N-terminal sequence ARGSVIL. The IgG1 fraction was purified by affinity chromatography.

### 2. Specificity

The antibody reacts with the N-terminal sequence ARGSVIL of aggrecan fragments produced by proteolysis at the aggrecanase site within the interglobular domain of aggrecan (aggrecan-IGD). It does not react to a significant extent with the sequence ARGSVIL contained within uncleaved polypeptide chains. ARGSVIL-Peptides produced from recombinant aggrecan-IGD in the presence of aggrecanases bind strongly to the antibody both in Western Blots (see Fig. 1) and in ELISA. ARGSVIL-Fragments derived from native aggrecan require prior deglycosylation for antibody binding.



**Fig. 1:** Western Blot of recombinant aggrecan-IGD and derived ARGSVIL-peptide with the anti- N-terminal sequence ARGSVIL antibody.

Lane 1: 100 ng uncleaved aggrecan-IGD

Lane 2: 100 ng ARGSVIL-peptide

Lane 3: 25 ng ARGSVIL-peptide

The apparent  $M_r$  of uncleaved aggrecan-IGD in SDS-PAGE is 22 kDa.

### 3. Package

Purified antibody in 100 µl phosphate buffered saline (20 mM Na-phosphate, pH 7.5, 150 mM NaCl) containing 0.01 % thimerosal.

### 4. Application

Western-Blotting with ECL-Detection. Suggested antibody dilution: 1: 2000

### 5. Storage

The antibody is stable until the expiry date when stored at -70°C. After thawing, it can be kept at 2-8°C for more than 3 months. Repeated freezing and thawing should be avoided.

### 6. Additional Information

Antibodies should be titrated for optimal results in individual systems.