

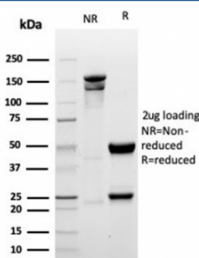
## Recombinant Myogenin Antibody / MYOG / Myf-4 [clone MYOG/6298R] (V9685)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V9685-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9685-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V9685SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                      |
| Species Reactivity | Human                                                                  |
| Format             | Purified                                                               |
| Clonality          | Recombinant Rabbit Monoclonal                                          |
| Isotype            | Rabbit IgG, kappa                                                      |
| Clone Name         | MYOG/6298R                                                             |
| Purity             | Protein A/G affinity                                                   |
| UniProt            | P15173                                                                 |
| Localization       | Nucleus                                                                |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml                                 |
| Limitations        | This recombinant Myogenin antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free recombinant Myogenin antibody (clone MYOG/6298R) as confirmation of integrity and purity.

## Description

Myogenin is a member of the MyoD family of myogenic basic helix-loop-helix (bHLH) transcription factors that also includes MyoD, Myf-5, and MRF4 (also known as herculinor Myf-6). MyoD family members are expressed exclusively in skeletal muscle and play a key role in activating myogenesis by binding to enhancer sequences of muscle-specific genes.

The regulatory domain of MyoD is approximately 70 amino acids in length and includes both a basic DNA binding motif and a bHLH dimerization motif. MyoD family members share about 80% amino acid homology in their bHLH motifs. Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms tumor.

## **Application Notes**

Optimal dilution of the recombinant Myogenin antibody should be determined by the researcher.

## **Immunogen**

Recombinant full-length human protein was used as the immunogen for the recombinant Myogenin antibody.

## **Storage**

Aliquot the recombinant Myogenin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.