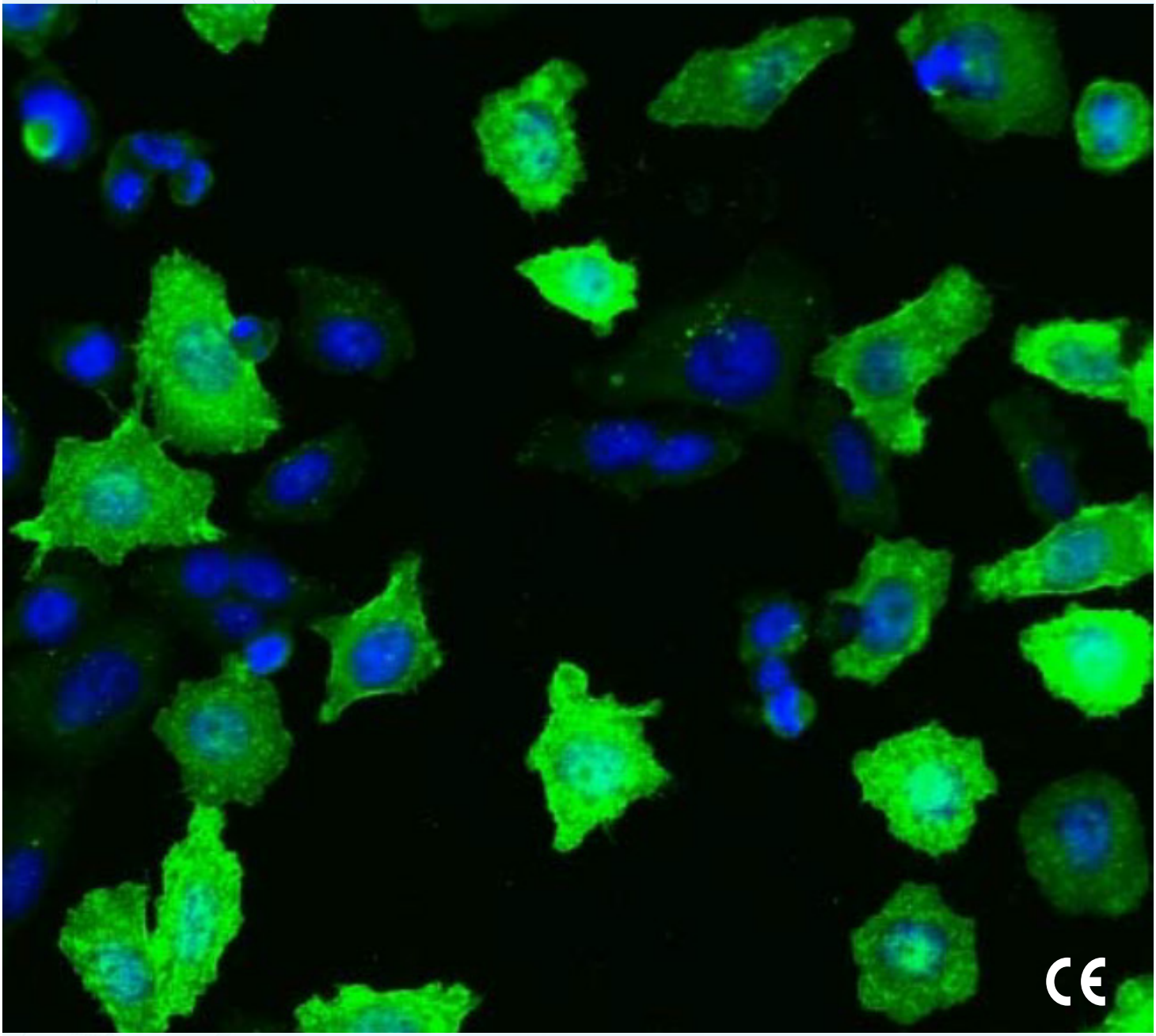
IFA

Anti-MuSK IFA

Immunofluorescence assay (IFA) for the determination of autoantibodies to Muscle-Specific Tyrosine Kinase (MuSK)

Generic Assays



Product Highlights

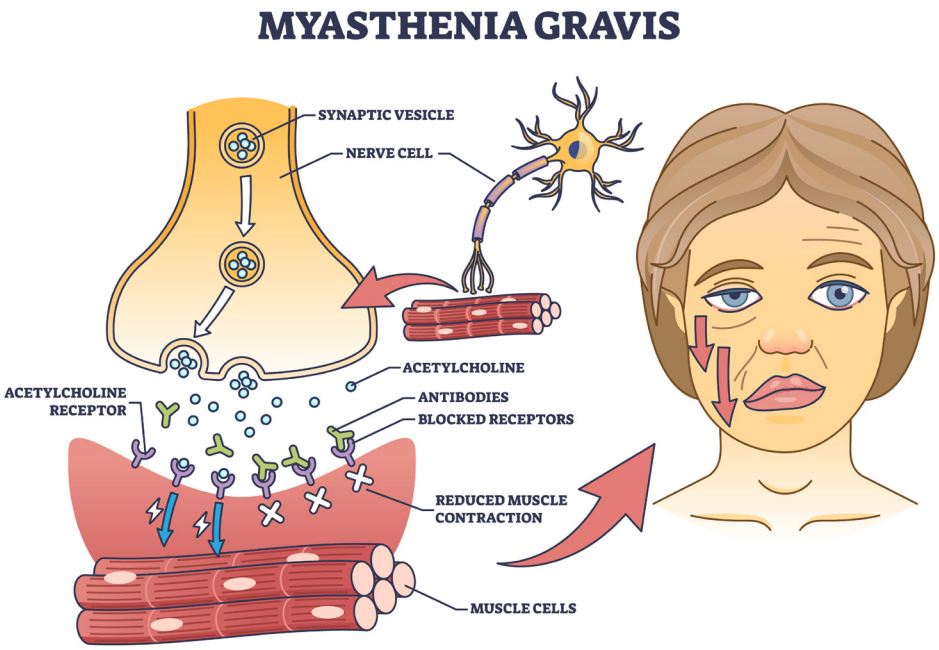
- Serological marker for seronegative myasthenia gravis
- Qualitative and semi-quantitative determination of IgG antibodies against MuSK
- Sensitive immunofluorescence test with transfected HEp-2 cells

Anti-MuSK IFA

Myasthenia gravis (MG)

Myasthenia gravis (MG) belongs to a group of neurological diseases characterized by impaired signal transmission between nerve and muscle. The clinical picture is characterized by exercise-induced muscle weakness of the skeletal muscles, which typically increases during the course of the day and improves after periods of rest. MG is an autoimmune disease caused by autoantibodies against structures of the postsynaptic membrane in the area of the neuromuscular endplate of striated muscles.

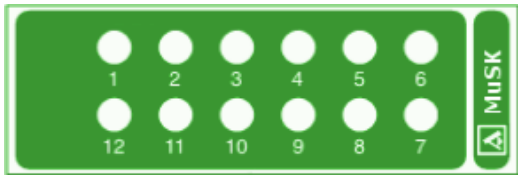
Antibodies against the acetylcholine receptor (AChRAb) are by far the most common (~ 85%). If these antibodies are not detectable, the condition is referred to as "seronegative MG". In these patients, antibodies against the muscle-specific tyrosine kinase (MuSK) can be detected in up to 10 per cent of cases. Other possible antibodies are directed against lipoprotein receptor-related protein (LRP4). In some patients with a high probability of suffering from myasthenia gravis, no antibodies can be detected.



Anti-MuSK IFA

A Diagnostic Tool for Myasthenia Gravis

Anti-MuSK IFA assay

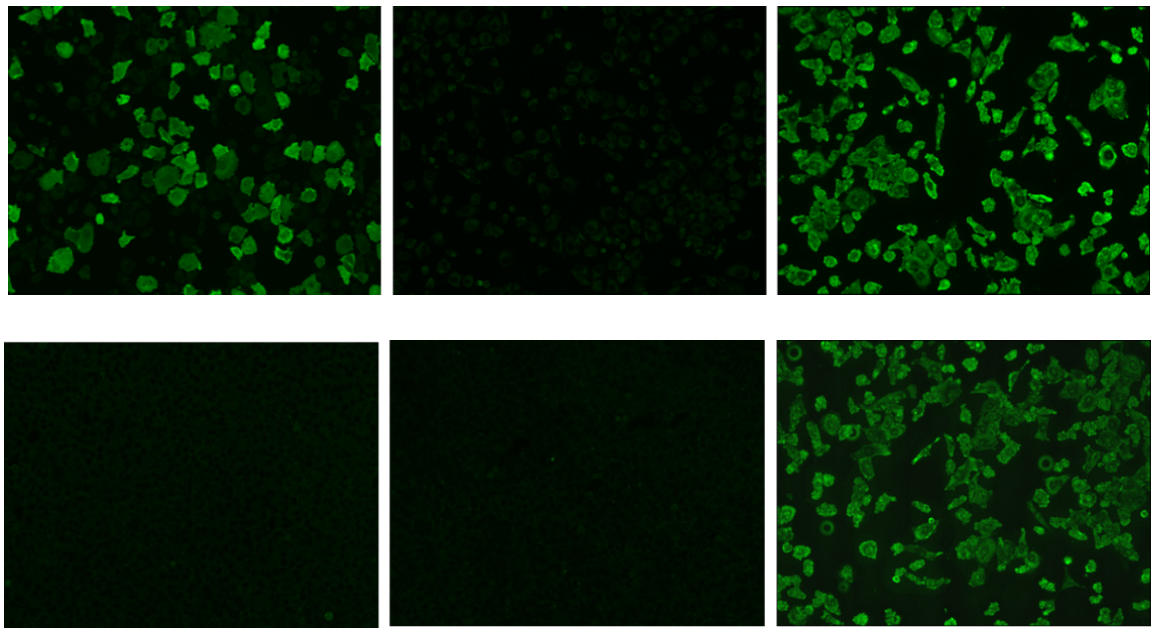


Anti-MuSK IFA slide

→ HEp-2 MuSK — MuSK transfected cells (transfection rate approx. 40 %)

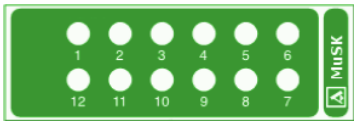
→ HEp-2 — untransfected cells

Parallel processing to exclude cross-reactivity and unspecific binding



	MuSK antibodies present (positive serum)	MuSK antibodies absent (negative serum)	Unspecific reaction with HEp-2 cell components e.g. ribosomal
HEp-2 MuSK			
HEp-2			

Manual Assays



Anti MuSK IFA

- Qualitative and semi-quantitative determination of IgG antibodies against MuSK on transfected HEp-2 cells.
- Aids in the diagnosis of seronegative myasthenia gravis.
- Designed for manual *in vitro* diagnostic use.
- Complements other clinical and laboratory findings for a comprehensive evaluation of myasthenia gravis.

Product Information

Anti-MuSK IFA

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Order Information

Anti-MuSK IFA **REF 8049**
60 (10 x 6) Determinations

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