

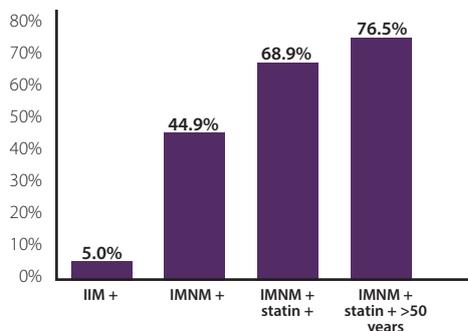
QUANTA Flash[®] HMGCR*



Decisive

Detection of anti-HMGCR antibodies can aid in the differential diagnosis of idiopathic inflammatory myopathies (IIM) and immune mediated necrotizing myopathy (IMNM)^{1, 2, 3}

The prevalence of anti-HMGCR antibodies in different subpopulations³



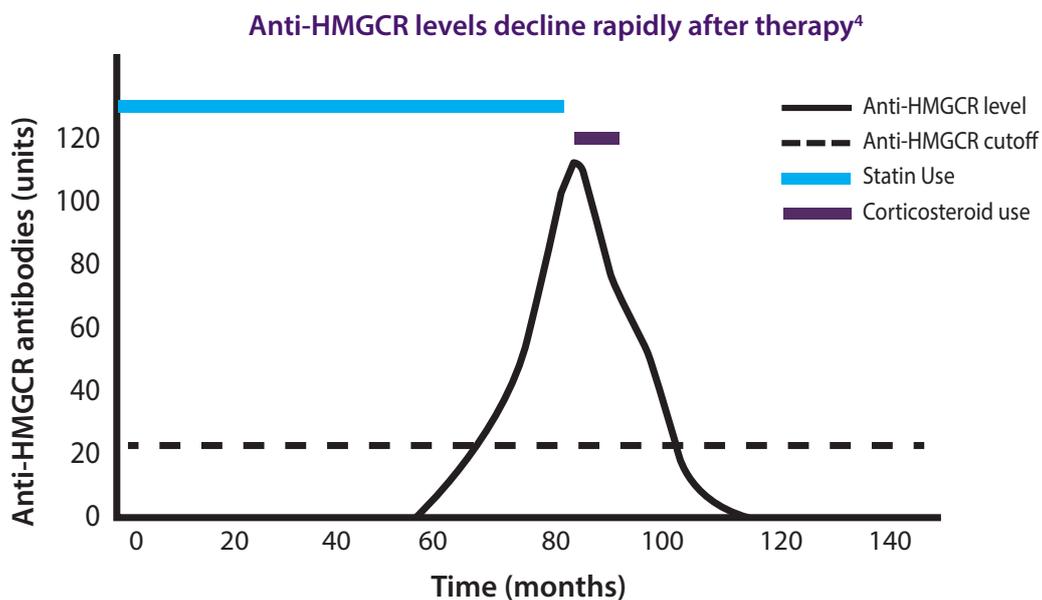
- Anti-HMGCR antibodies are associated with IMNM and are often present in isolation from other myositis specific or associated antibodies^{1, 2}
- Some patients who are on statin therapy develop antibodies to HMGCR, the pharmacologic target of statin
- The presence of anti-HMGCR antibodies can help stratify statin patients with self-limited myopathy vs. patients with statin-associated IMNM.
- After treatment, most IMNM patients show marked improvement with corresponding decrease of anti-HMGCR antibodies

* Not available for sale in the US

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Features of IMNM

- Although IMNM is associated with statin exposure, a subset of patients not exposed to statins, may also develop anti-HMGCR antibodies and IMNM^{1,2,3}
- Patients with IMNM are classified as having a distinct, severe condition typically displaying the following characteristics:¹
 - Muscle fiber necrosis without significant inflammation
 - High levels of creatine kinase (>10 times the upper limit of normal)
 - Absence of myositis specific or associated autoantibodies to Jo-1, signal recognition particle, or PM/Scl



Product ordering information

NAME	PACKAGE	PART #
QUANTA Flash [®] HMGCR	Reagents 50 Test Cartridge	701333
	Calibrators	701331
	Controls	701332

* Not available for sale in the US

References:

1. Mohassel, P. et al. Statin-associated autoimmune myopathy and anti-HMGCR autoantibodies. *Muscle & Nerve* 2013; 48: 477-483.
2. Mammen, A. Statin-associated autoimmune myopathy. *N Engl J Med*. 2016; 374: 664-669.
3. Musset, L. et al. Anti-HMGCR antibodies as a biomarker for immune-mediated necrotizing myopathies: a history of statins and experience from a large international multi-center study. *Autoimmunity Reviews*. 2016; 15: 983-993.
4. Dobbels, L. et al. A 62 year old woman with muscle weakness. *Clinical Chemistry* 2015; 61:9 1133-1137.

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