

## Product datasheet

# Anti-CFC1 antibody [MM0205-8D12] ab89193

### Overview

<b>Product name</b>	Anti-CFC1 antibody [MM0205-8D12]
<b>Description</b>	Mouse monoclonal [MM0205-8D12] to CFC1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Human recombinant CFC1
<b>General notes</b>	Reconstituted antibody should be aliquoted and can be stored frozen at < -20°C for at least for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

### Properties

<b>Form</b>	Lyophilised:Reconstitute the antibody with 200 µl sterile PBS to give a final concentration of 0.5mg/ml.
<b>Storage instructions</b>	Shipped at 4°C. Store at -80°C.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MM0205-8D12
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab89193** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 25 kDa.

### Target

<b>Function</b>	NODAL coreceptor involved in the correct establishment of the left-right axis. May play a role in mesoderm and/or neural patterning during gastrulation.
<b>Involvement in disease</b>	<p>Heterotaxy, visceral, 2, autosomal (HTX2) [MIM:605376]: A form of visceral heterotaxy, a complex disorder due to disruption of the normal left-right asymmetry of the thoracoabdominal organs. Visceral heterotaxy or situs ambiguus results in randomization of the placement of visceral organs, including the heart, lungs, liver, spleen, and stomach. The organs are oriented randomly with respect to the left-right axis and with respect to one another. It can be associated with a variety of congenital defects including cardiac malformations. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Transposition of the great arteries dextro-looped 2 (DTGA2) [MIM:613853]: A congenital heart defect consisting of complete inversion of the great vessels, so that the aorta incorrectly arises from the right ventricle and the pulmonary artery incorrectly arises from the left ventricle. This creates completely separate pulmonary and systemic circulatory systems, an arrangement that is incompatible with life. The presence or absence of associated cardiac anomalies defines the clinical presentation and surgical management of patients with transposition of the great arteries. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Conotruncal heart malformations (CTHM) [MIM:217095]: A group of congenital heart defects involving the outflow tracts. Examples include truncus arteriosus communis, double-outlet right ventricle and transposition of great arteries. Truncus arteriosus communis is characterized by a single outflow tract instead of a separate aorta and pulmonary artery. In transposition of the great arteries, the aorta arises from the right ventricle and the pulmonary artery from the left ventricle. In double outlet of the right ventricle, both the pulmonary artery and aorta arise from the right ventricle. Note=The disease is caused by mutations affecting the gene represented in this entry.</p>
<b>Sequence similarities</b>	Contains 1 EGF-like domain.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Cell membrane. Secreted. Does not exhibit a typical GPI-signal sequence. The C-ter hydrophilic extension of the GPI-signal sequence reduces the efficiency of processing and could lead to the production of an secreted unprocessed form. This extension is found only in primates.

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