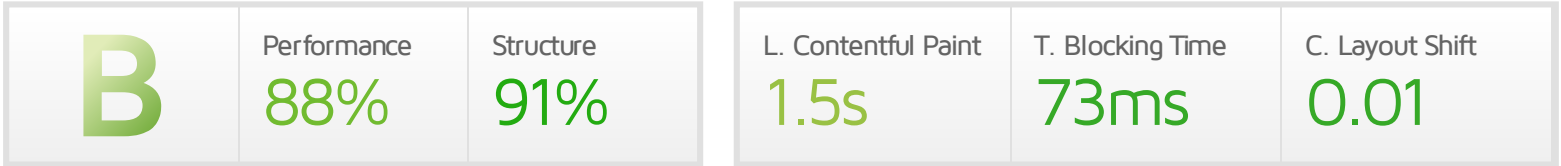




Performance Report for: <https://www.crescendobiologics.com/>

Report generated: Wed, Mar 13, 2024 7:26 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0



Top Issues

High	Reduce initial server response time <small>FCP LCP</small>	Root document took 1.1s
Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med	Serve static assets with an efficient cache policy	Potential savings of 540KB
Med-Low	Avoid CSS @import <small>FCP LCP</small>	2 resources found
Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 96ms

Page Details



Total Page Size - 1.61MB



Total Page Requests - 55



How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

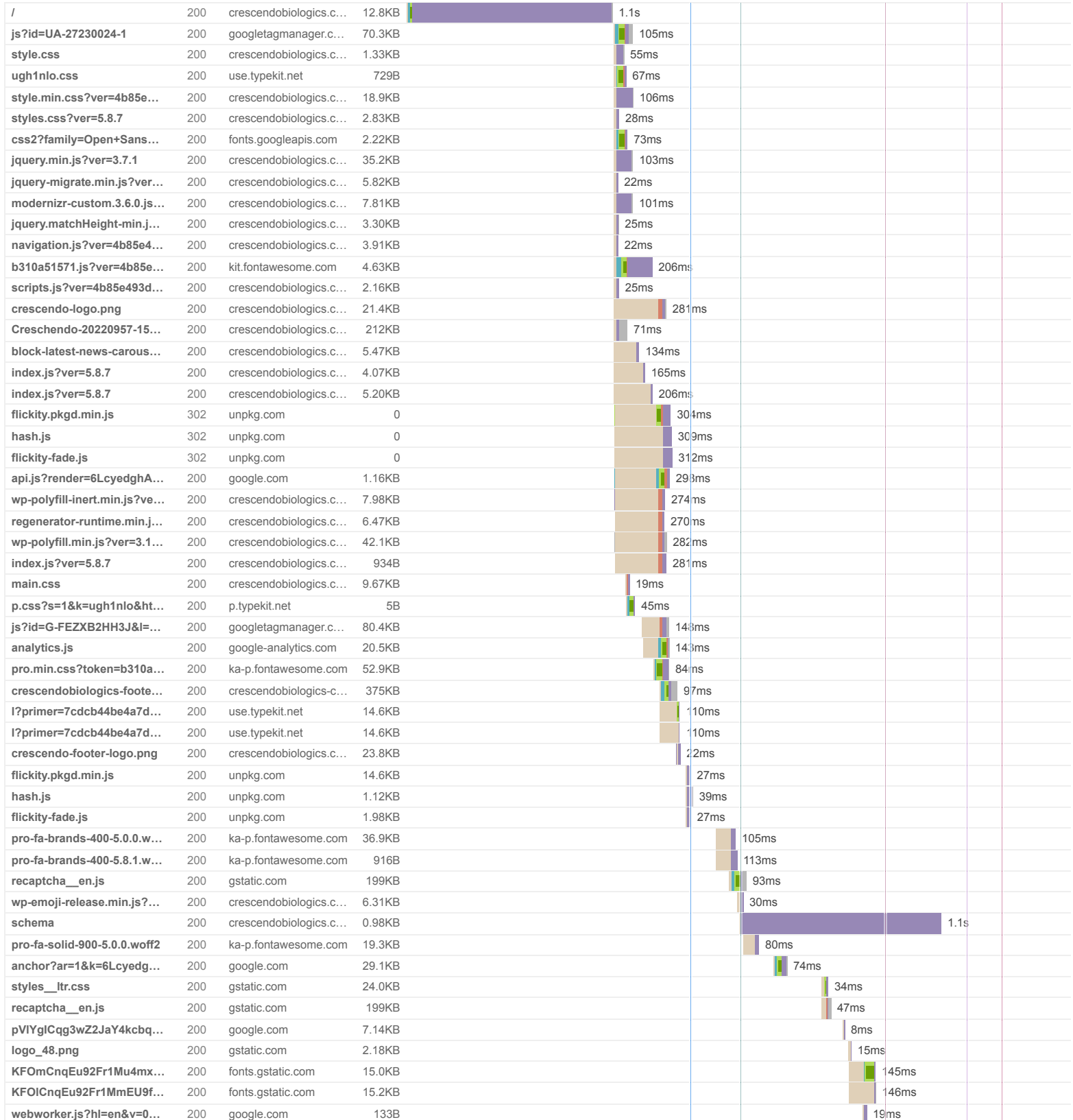
GTmetrix is developed by the good folks at **CARBON60**, a Canadian hosting company with over 28 years experience in web technology.



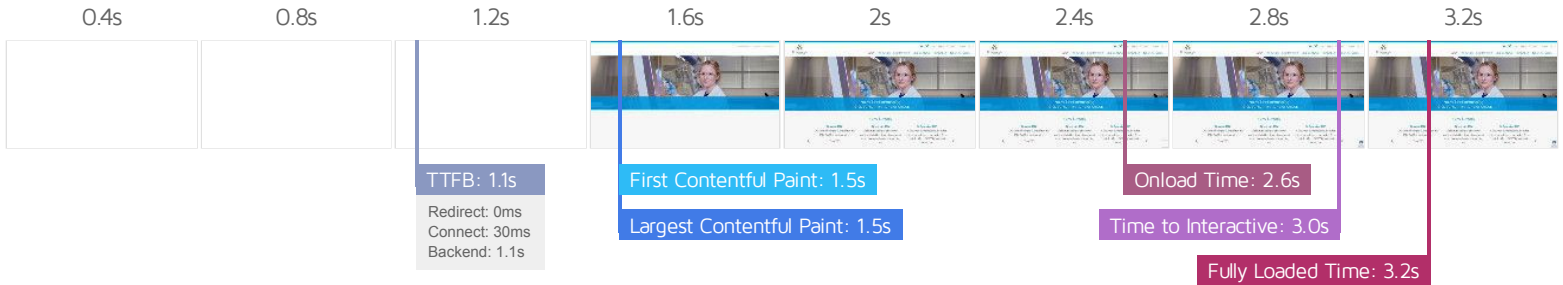
<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Crescendo Biologics - The T cell enhancing company



cropped-Crescendo-logo-...	200	crescendobiologics.c...	762B			10ms	
POST reload?k=6Lcyedg...	200	google.com	9.42KB				74ms
55 Requests	1.61MB	(3.85MB Uncompressed)	Fully Loaded 3.2s	(Onload 2.6s)			



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Longer than recommended</p> <p>1.5s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>OK, but consider improvement</p> <p>3.0s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>OK, but consider improvement</p> <p>1.6s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>73ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>OK, but consider improvement</p> <p>1.5s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0.01</p>

Browser Timings

Redirect	0ms	Connect	30ms	Backend	1.1s
TTFB	1.1s	First Paint	1.5s	DOM Int.	1.8s
DOM Loaded	1.8s	Onload	2.6s	Fully Loaded	3.2s

IMPACT AUDIT

Low

Avoid long main-thread tasks TBT

6 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
https://www.crescendobiologics.com/	1.4s	100ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	2.8s	74ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	2.5s	69ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	3.0s	69ms
https://www.google-analytics.com/analytics.js	1.6s	56ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	1.9s	53ms

Low

Avoid chaining critical requests FCP LCP

28 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: 1.9s

INITIAL NAVIGATION

https://www.crescendobiologics.com/	12.8KB, 1.1s
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/blocks/css/block-latest-news-carousel.css?ver=2.51	6.04KB, 16ms
https://ka-p.fontawesome.com/releases/v5.15.4/webfonts/pro-fa-solid-900-5.0.0.woff2	19.4KB, 20ms
https://www.google.com/recaptcha/api.js?render=6LcyedghAAAAABkmyrXrDhbgONE4QSVM3HTCPSie&ver=3.0	1.16KB, 77ms
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	8.56KB, 52ms
https://www.crescendobiologics.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.8.7	5.20KB, 8ms
https://www.crescendobiologics.com/wp-content/plugins/contact-form-7/modules/recaptcha/index.js?ver=5.8.7	1.49KB, 59ms
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/jquery.matchHeight.min.js?ver=4b85e493d34ccc719a5b396c8865990e	3.88KB, 18ms
https://www.crescendobiologics.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.8.7	3.40KB, 22ms
https://fonts.googleapis.com/css?family=Open+Sans%3Aital%2Cwght%40%2C300%3B0%2C400%3B1%2C300%3B1%2C400&display=swap&ver=4b85e493d34ccc719a5b396c8865990e	2.22KB, 67ms
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	42.1KB, 61ms
https://www.crescendobiologics.com/wp-includes/css/dist/block-library/style.min.css?ver=4b85e493d34ccc719a5b396c8865990e	18.9KB, 100ms
https://www.crescendobiologics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	35.2KB, 97ms
https://kit.fontawesome.com/b310a51571.js?ver=4b85e493d34ccc719a5b396c8865990e	4.63KB, 199ms
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/scripts.js?ver=4b85e493d34ccc719a5b396c8865990e	2.74KB, 17ms
https://www.crescendobiologics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	5.82KB, 15ms
https://ka-p.fontawesome.com/releases/v5.15.4/webfonts/pro-fa-brands-400-5.0.0.woff2	37.1KB, 27ms
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/navigation.js?ver=4b85e493d34ccc719a5b396c8865990e	4.49KB, 15ms
https://ka-p.fontawesome.com/releases/v5.15.4/webfonts/pro-fa-brands-400-5.8.1.woff2	1.00KB, 35ms
https://www.crescendobiologics.com/wp-content/plugins/contact-form-7/includes/swv/js/index.js?ver=5.8.7	4.07KB, 10ms
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0	7.05KB, 48ms
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/modernizr-custom.3.6.0.js?ver=4b85e493d34ccc719a5b396c8865990e	8.39KB, 94ms

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	7.98KB	5.55KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/modernizr-custom.3.6.0.js?ver=4b85e493d34ccc719a5b396c8865990e	7.81KB	4.68KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/blocks/css/block-latest-news-carousel.css?ver=2.51	5.47KB	4.64KB
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0	6.47KB	4.03KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/navigation.js?ver=4b85e493d34ccc719a5b396c8865990e	3.91KB	2.78KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/jquery.matchHeight-min.js?ver=4b85e493d34ccc719a5b396c8865990e	3.30KB	1.95KB
https://www.crescendobiologics.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.8.7	2.83KB	1.83KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/js/scripts.js?ver=4b85e493d34ccc719a5b396c8865990e	2.16KB	1.39KB

Low

Avoid enormous network payloads LCP

Total size was 1.63MB

Large network payloads cost users real money and are highly correlated with long load times.

URL	TRANSFER SIZE
https://crescendobiologics-com.stackstaging.com/wp-content/uploads/2020/08/crescendobiologics-footer.jpg	376KB
https://www.crescendobiologics.com/wp-content/uploads/2023/01/Crescendo-20220957-1536x1025.jpg	213KB
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	199KB
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	199KB
https://www.googletagmanager.com/gtag/js?id=G-FEZXB2HH3J&i=dataLayer&cx=c	80.5KB
https://www.googletagmanager.com/gtag/js?id=UA-27230024-1	70.7KB
https://ka-p.fontawesome.com/releases/v5.15.4/css/pro.min.css?token=b310a51571	53.2KB
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	42.1KB
https://ka-p.fontawesome.com/releases/v5.15.4/webfonts/pro-fa-brands-400-5.0.0.woff2	37.1KB
https://www.crescendobiologics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	35.2KB

Low

Properly size images

Potential savings of 182KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.crescendobiologics.com/wp-content/uploads/2023/01/Crescendo-20220957-1536x1025.jpg	212KB	142KB
https://www.crescendobiologics.com/wp-content/uploads/2020/08/crescendo-footer-logo.png	23.8KB	21.8KB
https://www.crescendobiologics.com/wp-content/themes/crescendobiologics/inc/img/crescendo-logo.png	21.4KB	18.6KB

Low

Efficiently encode images

Potential savings of 120KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://crescendobiologics-com.stackstaging.com/wp-content/uploads/2020/08/crescendobiologics-footer.jpg	375KB	109KB
https://www.crescendobiologics.com/wp-content/uploads/2023/01/Crescendo-20220957-1536x1025.jpg	212KB	11.0KB

Low

Ensure text remains visible during webfont load FCP LCP

2 fonts found

ELEMENT

```
article#page-2 > div.page_content > div.wp-block-cover > img.wp-block-cover__image-background

```

PHASE	% OF LCP	TIMING
TTFB	73%	1.1s
Load Delay	1%	21ms
Load Time	4%	64ms
Render Delay	22%	333ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 179B

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://www.crescendobiologics.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	179B
Line:0 Column:452	@babel/plugin-transform-clas... s

N/A **Avoid large layout shifts** CLS 5 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Home Novel T cell enhancing therapeutics in immuno-oncology News & Media 06 Mar... <div class="block_content">	0.01
For Patients Careers Contact Us Home About Us Our Pipeline Our Sc... <nav id="navigation" class="navigation-main" aria-hidden="true">	0.00
Home About Us Our Pipeline Our Science Partnering News & Events <div class="navigation-main_desktop">	0.00
News & Events 	0.00
Our Pipeline 	0.00

N/A

Minimize main-thread work TBT

Main-thread busy for 1.4s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Script Evaluation	680ms
Other	367ms
Style & Layout	249ms
Rendering	48ms
Parse HTML & CSS	31ms
Script Parsing & Compilation	30ms
Garbage Collection	15ms

N/A

Reduce the impact of third-party code TBT

Third-party code blocked the main thread for 43ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

