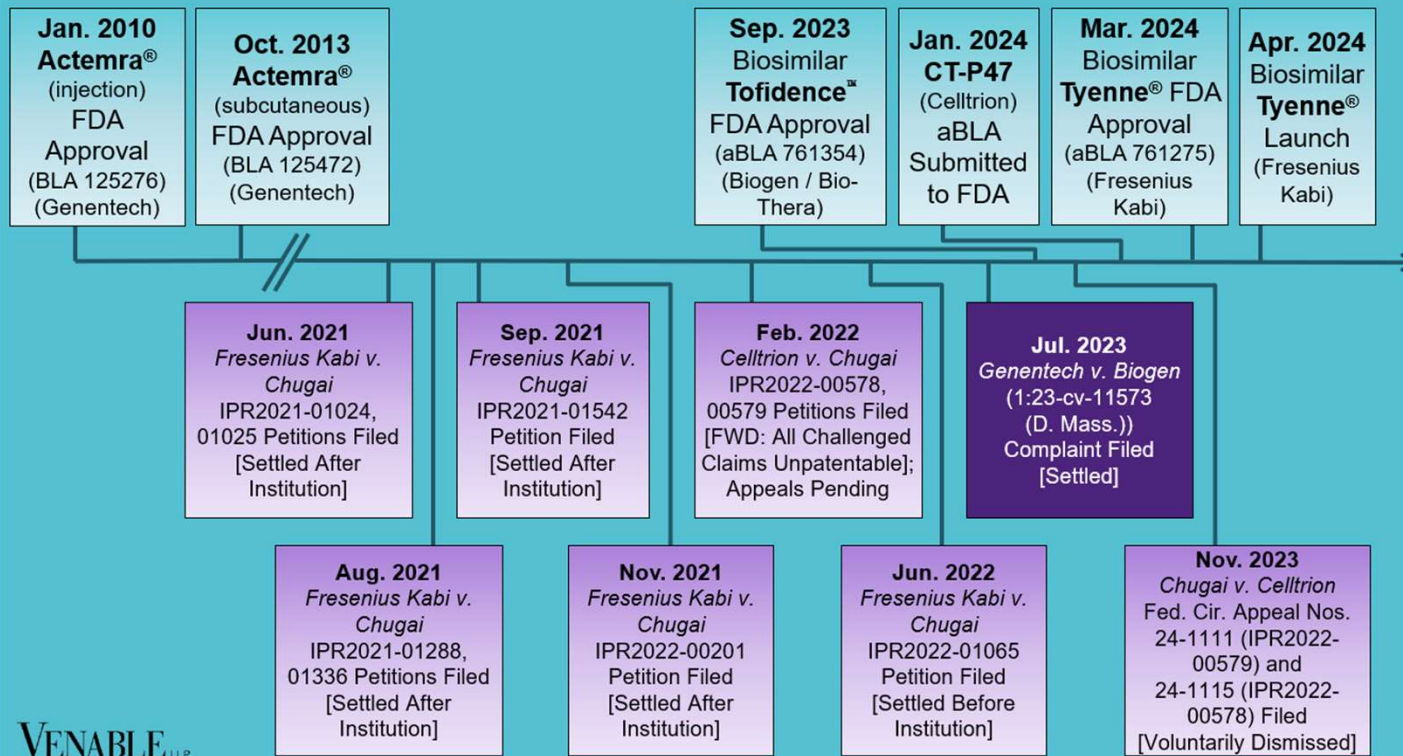
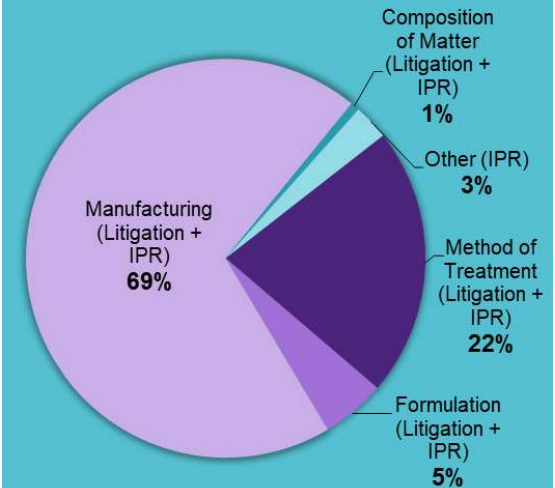


Technology: Tocilizumab is a humanized monoclonal antibody against the interleukin-6 (IL-6) receptor that inhibits IL-6 signaling and hinders IL-6’s pro-inflammatory effects.

Tocilizumab Timeline



Tocilizumab Challenged Claim Types in IPR and Litigation*



*Litigation Defendants alleged to infringe at least these claims in complaints/amended complaints. Joinder counted separately.

Spotlight On:
Tocilizumab

July 31, 2024

| | <i>Fresenius Kabi v. Chugai</i> IPR2021-01024 Settled after institution | <i>Fresenius Kabi v. Chugai</i> IPR2021-01025 Settled after institution | <i>Fresenius Kabi v. Chugai</i> IPR2021-01288, IPR2021-01542 Settled after institution | <i>Fresenius Kabi v. Chugai</i> IPR2021-01336 Settled after institution | <i>Fresenius Kabi v. Chugai</i> IPR2022-00201 Settled after institution | <i>Celltrion v. Chugai</i> IPR2022-00578 Final Written Decision (All challenged claims unpatentable); Appeal 24-1115 voluntarily dismissed | <i>Celltrion v. Chugai</i> IPR2022-00579 Final Written Decision (All challenged claims unpatentable); Appeal 24-1111 voluntarily dismissed | <i>Fresenius Kabi v. Chugai</i> IPR2022-01065 Settled before institution | <i>Genentech v. Biogen</i> 1:23-cv-11573 (D. Mass.) Settled |
|------------|---|---|---|---|---|---|---|--|--|
| 7,332,289 | | | | | | | | | x |
| 7,521,052 | x | | | | | | | | x |
| 8,398,980 | | | | | | | | | x |
| 8,512,983 | | | | | | | | | x |
| 8,574,869 | | | | | | | | | x |
| 8,580,264 | | | x | | | x | | | |
| 8,734,800 | | | | | | | | | x |
| 9,714,293 | | | | | | | | | x |
| 9,750,752 | | | | | x | | | | |
| 9,902,777 | | | | | | | | | x |
| 10,017,732 | | | | | | | | | x |
| 10,231,981 | | | | | | | | x | |
| 10,336,983 | | | | | | | | | x |
| 10,501,769 | | | | | | | | | x |
| 10,662,237 | | | | | | | | | x |
| 10,676,710 | | | | | | | | | x |
| 10,744,201 | | x | | | | | | | x |
| 10,829,732 | | | | | | | | | x |
| 10,874,677 | | | | x | | | x | | |
| 10,982,003 | | | | | | | | | x |
| 11,021,728 | | | | | | | | | x |
| 11,078,294 | | | | | | | | | x |
| 11,136,610 | | | | | | | | | x |
| 11,377,678 | | | | | | | | | x |