

eTABLE 1. SEVENTY-NINE BIOLOGIC LICENSE APPLICATIONS APPROVED BY THE FDA BETWEEN 2003 AND 2016.

BLA#	Proprietary Name	Established Name	Year of Approval	BLA#	Proprietary Name	Established Name	Year of Approval
125075	Raptiva	Efalizumab	2003	125326	Arzerra	Ofatumumab	2009
103928	NeuroSpec	Technetium (99mTc) fanolesomab	2004	125276	Actemra	Tocilizumab	2010
125084	Erbitux	Cetuximab	2004	125291	Lumizyme	Alglucosidase alfa	2010
125085	Avastin	Bevacizumab	2004	125293	Krystexxa	Pegloticase	2010
125103	Kepivance	Palifermin	2004	125320	Prolia	Denosumab	2010
125104	Tysabri	Natalizumab	2004	125338	Xiaflex	Collagenase clostridium histolyticum	2010
125117	Naglazyme	Galsulfase	2005	125360	Xeomin	IncobotulinumtoxinA	2010
125118	Orencia	Abatacept	2005	125360 #1	Xeomin	IncobotulinumtoxinA	2010
125141	Myozyme	Alglucosidase alfa	2006	125288	Nulojix	Belatacept	2011
125147	Vectibix	Panitumumab	2006	125359	Erwinaze	L-Asparaginase	2011
125151	Elaprase	Idursulfase	2006	125370	Benlysta	Belimumab	2011
125156	Lucentis	Ranibizumab	2006	125377	Yervoy	Ipilimumab	2011
125164	Mircera	methoxy polyethylene glycol-epoetin beta	2007	125387	Eylea	Aflibercept	2011
125166	Soliris	Eculizumab	2007	125388	Adcetris	Brentuximab vedotin	2011
125160	Cimzia	Certolizumab pegol	2008	125294	Neuroval	Tbo-filgrastim	2012
125249	Arcalyst	Rilonacept	2008	125327	Voraxaze	Glucarpidase	2012
125268	Nplate	Romiplostim	2008	125349	Raxibacumab	Raxibacumab	2012
125261	Stelara	Ustekinumab	2009	125409	Perjeta	Pertuzumab	2012
125274	Dysport	AbobotulinumtoxinA	2009	125418	Zaltrap	Ziv-aflibercept	2012
125274 #1	Dysport	AbobotulinumtoxinA	2009	125422	Jetrea	Ocriplasmin	2012
125277	Kalbitor	Ecallantide	2009	125427	Kadcyla	Ado-trastuzumab emtansine	2013
125289	Simponi	Golimumab	2009	125433	Simponi Aria	Golimumab	2013
125290	Extavia	Interferon beta-1b	2009	125472	Actemra	Tocilizumab	2013
125319	Ilaris	Canakinumab	2009	125486	Gazyva	Obinutuzumab	2013

BLA#	Proprietary Name	Established Name	Year of Approval	BLA#	Proprietary Name	Established Name	Year of Approval
125390	Myalept	Metreleptin	2014	125521	Taltz	Ixekizumab	2016
125431	Tanzeum	Albiglutide	2014	761029	Zinbryta	Daclizumab	2016
125460	Vimizim	Elosulfase alfa	2014	761033	Cinqair	Reslizumab	2016
125469	Trulicity	Dulaglutide	2014	761034	Tecentriq	Atezolizumab	2016
125476	Entyvio	Vedolizumab	2014	761038	Lartruvo	Olaratumab	2016
125507	Entyvio	Vedolizumab	2014	761046	Zinplava	Bezlotoxumab	2016
125477	Cyramza	Ramucirumab	2014				
125496	Sylvant	Siltuximab	2014				
125499	Plegridy	Peginterferon beta-1a	2014				
125514	Keytruda	Pembrolizumab	2014				
125554	Opdivo	Nivolumab	2014				
125557	Blinicyto	Blinatumomab	2014				
125504	Cosentyx	Secukinumab	2015				
125511	Natpara	Recombinant human parathyroid hormone (rhPTH[1-84])	2015				
125513	Strensiq	Asfotase alfa	2015				
125516	Unituxin	Dinutuximab	2015				
125522	Repatha	Evolocumab	2015				
125526	Nucala	Mepolizumab	2015				
125547	Portrazza	Necitumumab	2015				
125559	Praluent	Alirocumab	2015				
125561	Kanuma	Sebelipase alfa	2015				
761025	Praxbind	Idarucizumab	2015				
761035	Empliciti	Elotuzumab	2015				
761036	Darzalex	Daratumumab	2015				
125509	Anthim	Obiltoxaximab	2016				