



Teplizumab

Revised: November 15, 2023.

CASRN: 876387-05-2

Drug Levels and Effects

Summary of Use during Lactation

No information is available on the clinical use of teplizumab during breastfeeding. Because teplizumab is a large protein molecule with a molecular weight of 150,000 Da, the amount in milk is likely to be very low.[1] It is also likely to be partially destroyed in the infant's gastrointestinal tract and absorption by the infant is probably minimal.[2] Waiting for at least 2 weeks postpartum to resume therapy may minimize transfer to the infant.[3] The manufacturer recommends that breastfeeding be discontinued during teplizumab therapy and for 20 days after the last dose.

Drug Levels

Maternal Levels. Relevant published information was not found as of the revision date.

Infant Levels. Relevant published information was not found as of the revision date.

Effects in Breastfed Infants

Relevant published information was not found as of the revision date.

Effects on Lactation and Breastmilk

Relevant published information was not found as of the revision date.

References

1. Stratigakis A, Paty D, Zou P, et al. A regression approach for assessing large molecular drug concentration in breast milk. *Reprod Breed* 2023;3:199-207. doi:10.1016/j.repbre.2023.10.003
2. Anderson PO. Monoclonal antibodies during breastfeeding. *Breastfeed Med* 2021;16:591-3. PubMed PMID: 33956488.
3. Krysko KM, Dobson R, Alroughani R, et al. Family planning considerations in people with multiple sclerosis. *Lancet Neurol* 2023;22:350-66. PubMed PMID: 36931808.

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Substance Identification

Substance Name

CAS Registry Number

876387-05-2

Drug Class

Breast Feeding

Lactation

Milk, Human

Antibodies, Monoclonal, Humanized