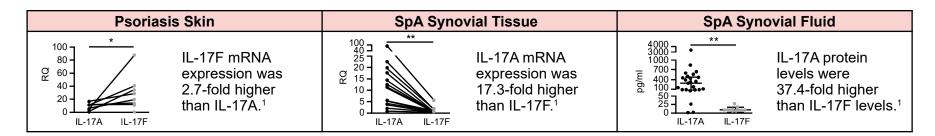
Pathologic Activities of IL-17A and IL-17F Cytokine Signaling and Therapeutic Targets

The Expression of IL-17A and IL-17F in Joints and Skin Differs



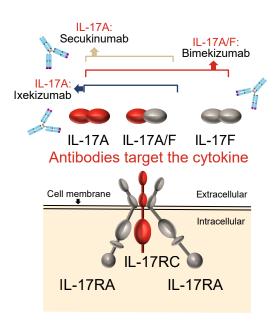
IL-17A response is 10 to 30-fold more potent than IL-17F

in terms of downstream gene activation.2

IL-17A has a more dominant role in pathologic changes than IL-17F in PsO³ and SpA.¹

IL-17F contributes to inflammatory responses and protection at barrier surfaces.⁴

The Binding Affinity of IL-17 Inhibitor Antibodies to IL-17 Cytokines Differs



Cytokine	Secukinumab	lxekizumab	Bimekizumab
IL-17 A/A	129	1.8	3.2
IL-17 A/F	2400	1.8	26
IL-17 F/F	NB	NB	23

A lower number indicates higher binding affinity.
Binding affinities (pM) were obtained from
published sources using different
methodologies and cannot be directly compared.⁵

This data reflects known information about the drug mechanism of action and does not represent a safety or efficacy comparison.⁵





^{*}P <0.01 **P <0.0001

NB=No Binding; pM=Picomolar; PsO=Psoriasis; RQ=Relative Quantification; SF=Synovial Fluid; SpA=Spondyloarthritis.

^{1.} Chen S, et al. J. Rheumatol. 2020;47(11):1606-1613. 2. Gaffen St.. Nat Rev Immunol. 2009;9(8):556-67. 3. Kolbinger F, et al. J. Allergy Clin Immunol. 2017;139(3):923-932.e8. 4. McGeachy MJ, et al. Immunity. 2019;50(4):892-906.

The association between the binding affinity of ixekizumab and efficacy and safety has not been studied by Lilly. No comparisons can be made regarding the binding affinity of IL-17A to ixekizumab and the binding affinity of other products to their targets. This has not been studied by Lilly.