

# Anti-BAFFR Antibody (Ianalumab Biosimilar)

Cat. No. AB05

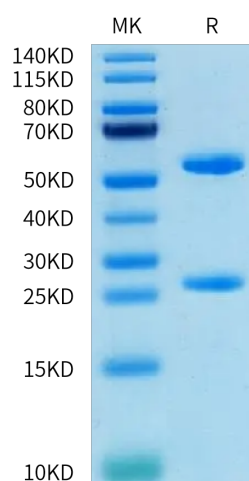
| Description                 |                                                         |
|-----------------------------|---------------------------------------------------------|
| Reactivities                | Human/Cynomolgus/Rhesus macaque                         |
| Target                      | BAFFR                                                   |
| Isotype                     | Human IgG1-Kappa                                        |
| Conjugation                 | Unconjugated                                            |
| ExpressSystem               | HEK293                                                  |
| Applications                | ELISA                                                   |
| MolecularWeight             | 49.9 kDa and 23.5 kDa.                                  |
| Recommended Dilution Buffer | PBS (pH 7.4), contains no stabilizers or preservatives. |
| Purification                | protein A                                               |
| Sterility                   | 0.2 µM filtered                                         |
| Endotoxin                   | Less than 1 EU per µg by the LAL method.                |
| Purity                      | > 95% as determined by Bis-Tris PAGE                    |
|                             | > 90% as determined by HPLC                             |

| Formulation and Storage |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | PBS, 10% glycerol (pH 7.4)                                                                                                                                                       |
| Storage                 | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
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| <p>BAFFR is an atypical representative of the TNF-receptor super-family. BAFFR [BAFFR = B cell activating factor of the TNF-family receptor; a.k.a. BR3, Bcma] expression starts when the immature B cells develop to transitional B cells, which then receive BAFFR-dependent pro-survival signals to rescue them from premature cell death. At protein level, the BAFFR is expressed on the surface of all human peripheral B cell subsets except for plasma cells and for centroblasts located in the dark zone of germinal centers. Its expression is upregulated after the expression of functional B cell antigen receptors (BCR) in response to tonic BCR signaling, which enhances BAFFR expression by immature and transitional B cells.</p> |  |

## Assay Data

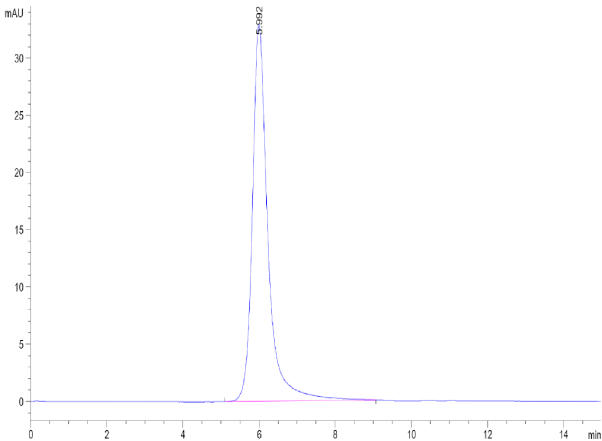
### Bis-Tris PAGE



Ianalumab Biosimilar on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



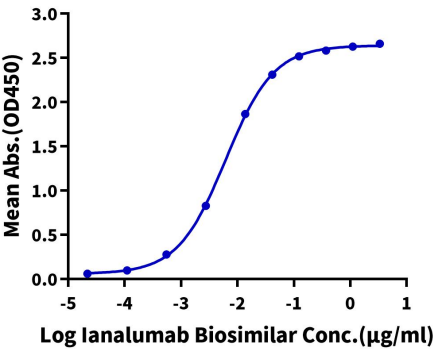
The purity of lanalumab Biosimilar is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Ianalumab Biosimilar ELISA

0.05µg Human BAFFR, His Tag Per Well



Immobilized Human BAFFR, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Ianalumab Biosimilar with the EC50 of 6.2ng/ml determined by ELISA.