

Ustekinumab Biosimilar - Research Grade ICH4034

Product Information

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| Catalog Number: | ICH4034 |
| Product: | Low endotoxin, biosimilar antibody |
| Target: | IL-12 and IL-23 |
| Isotype: | IgG1 kappa |
| Other names: | Interleukin-12, Interleukin-23 |
| Host: | Humanized |
| Species Reactivity: | Human |
| Specificity: | Detects human IL-12 and IL-23. This non-therapeutic antibody uses the same sequence as the therapeutic antibody Ustekinumab. |
| Purification method: | This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype. |
| Concentration: | 1.0 - 5.0 mg/ml |
| Formulation: | Phosphate buffered saline (PBS) pH 7.2, with no carrier protein, potassium or preservatives added. BSA and Azide free. |
| Purity: | >95% by SDS-PAGE and HPLC |
| Endotoxin: | ≤ 0.75 EU/mg as determined by the LAL method |
| Storage: | Stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles. |

Background:

Ustekinumab is a human IgG1k monoclonal antibody against the p40 subunit of the IL-12 and IL-23 cytokines. Using DNA recombinant technology, ustekinumab is produced in a well characterized recombinant cell line and is purified using standard bio-processing technology. The manufacturing process contains steps for the clearance of viruses. Ustekinumab is comprised of 1326 amino acids and has an estimated molecular mass that ranges from 148,079 to 149,690 Daltons.