

# iLite® IL-6

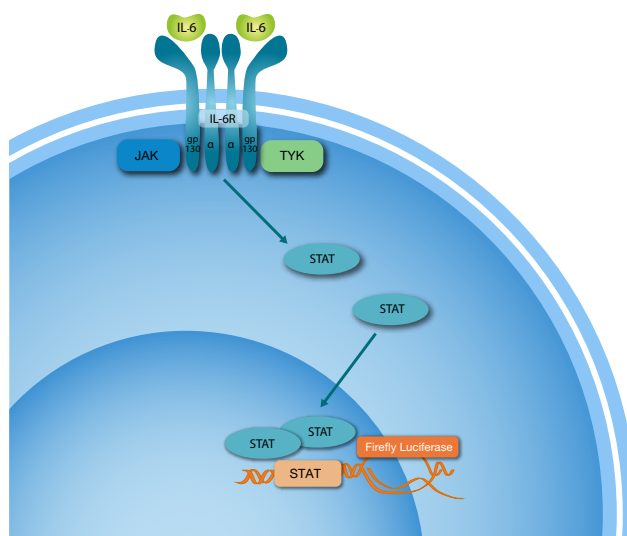
## ASSAY READY CELLS

iLite IL-6 Assay Ready Cells is a genetically engineered reporter gene cell line, optimized to respond to IL-6 with proportional expression of Firefly Luciferase where the activity of IL-6 and its agonist and antagonist can be assayed in a functional and biologically relevant format.

IL-6 is found relevant to many inflammatory diseases and many cancers and can act both pro-inflammatory and an anti-inflammatory.

IL-6 has been targeted therapeutically and the greatest success to date has been with tocilizumab, a humanized monoclonal antibody specific for the IL-6 receptor (IL-6R). Although anti-IL-6 therapy was initially developed for treatment of autoimmune diseases, due to the role of in chronic inflammation, IL-6 blockade has also been evaluated for cancer treatment.

The iLite IL-6 Assay Ready Cells are a genetically engineered reporter gene cell line responsive to IL-6 by proportional expression of Firefly Luciferase. Normalization of cell counts, and serum matrix effects is obtained by a second reporter gene, a Renilla Luciferase reporter gene construct, under the control of a constitutive promoter. **iLite IL-6 Assay Ready Cells allows testing for specific IL-6 activity and screening for unwanted inhibitory activity of IL-6.**



- Easy and fast assay format, completed within 6 hours
- Sensitive, functional & biologically relevant assay
- Eliminates serum matrix effects & renders assay results independent of cell number
- Large assay window

### iLite® IL-6 Assay Ready Cells

Product code	BM4061
Format	Assay Ready Cells
Related Products	BM4002      iLite® IL-2 Assay Ready Cells BM4012      iLite® IL-12 Assay Ready Cells BM4023      iLite® IL-23 Assay Ready Cells
Application	The iLite® IL-6 Assay Ready Cells can be used for the quantification of IL-6 activity, IL-6 receptor inhibiting activity or detection of neutralizing antibody response against such inhibitors test samples, including human serum. Application Notes for the following assays are available: <ul style="list-style-type: none"> <li>• Quantification of functional IL-6</li> <li>• Quantification of IL-6 receptor inhibitor</li> <li>• Determination of neutralizing antibodies against IL-6 receptor inhibitor</li> </ul>
Incubation time	Drug Assay 6 hours Inhibitory Assay 6 hours
Detection system	Luminescence
Availability	Research Use Only (RUO)*

\*These products are intended for professional research use only. The data and results originating from using the products, should not be used either in diagnostic procedures or in human therapeutic applications.

In accepting delivery of iLite® Assay Ready Cells the recipient agrees not to sub-culture these cells, attempt to sub-culture them or to give them to a third party, and recipient is only to use them directly in assays. The iLite® cell-based products are covered by patents which are the property of Svar Life Science AB and any attempt to reproduce the delivered iLite® Assay Ready Cells would constitute an infringement.

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