

## Product datasheet

# Anti-CTLA4 antibody [WKH203] ab33965

### 概述

产品名称	Anti-CTLA4抗体[WKH203]
描述	小鼠单克隆抗体[WKH203] to CTLA4
特异性	This antibody recognises CTLA4.
经测试应用	适用于: ELISA, Flow Cyt, WB
种属反应性	与反应: Rat
免疫原	Purified rCTLA4 hlg fusion protein.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: PBS
纯度	Protein G purified
纯化说明	This purified IgG was prepared by affinity chromatography on Protein G from tissue culture supernatant.
克隆	单克隆
克隆编号	WKH203
骨髓瘤	x63-Ag8.653
同种型	IgG1

### 应用

Our [Abpromise guarantee](#) covers the use of **ab33965** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		
Flow Cyt		

应用	Ab评论	说明
WB		
<b>应用说明</b>	<p>ELISA: Use at an assay dependent dilution.</p> <p>Flow Cyt: 1/10 - 1/20. Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl.</p> <p>Membrane permeabilisation is required for this application.</p> <p>WB: Use at an assay dependent dilution.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>靶标</b>		
<b>功能</b>	Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.	
<b>组织特异性</b>	Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation.	
<b>疾病相关</b>	<p>Genetic variation in CTLA4 influences susceptibility to systemic lupus erythematosus (SLE) [MIM:152700]. SLE is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. SLE is thought to represent a failure of the regulatory mechanisms of the autoimmune system.</p> <p>Note=Genetic variations in CTLA4 may influence susceptibility to Graves disease, an autoimmune disorder associated with overactivity of the thyroid gland and hyperthyroidism.</p> <p>Genetic variation in CTLA4 is the cause of susceptibility to diabetes mellitus insulin-dependent type 12 (IDDM12) [MIM:601388]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical features are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels.</p> <p>Genetic variation in CTLA4 is the cause of susceptibility to celiac disease type 3 (CELIA3) [MIM:609755]. It is a multifactorial disorder of the small intestine that is influenced by both environmental and genetic factors. It is characterized by malabsorption resulting from inflammatory injury to the mucosa of the small intestine after the ingestion of wheat gluten or related rye and barley proteins. In its classic form, celiac disease is characterized in children by malabsorption and failure to thrive.</p>	
<b>序列相似性</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.	
<b>翻译后修饰</b>	<p>N-glycosylation is important for dimerization.</p> <p>Phosphorylation at Tyr-201 prevents binding to the AP-2 adapter complex, blocks endocytosis, and leads to retention of CTLA4 on the cell surface.</p>	
<b>细胞定位</b>	Cell membrane. Exists primarily an intracellular antigen whose surface expression is tightly regulated by restricted trafficking to the cell surface and rapid internalisation and.	

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